B&A Buys & Associates, Inc.
Environmental Consultants

300 E. Mineral Ave., Suite 10
Littleton, CO 80122-2631
303/781-8211 303/781-1167 Fax

September 27, 2005

Fluid Minerals Group
Bureau of Land Management
Vernal Field Office
170 South 500 East
Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.
HCU 3-33F,
Surface Location: 345' FNL & 2,490' FEL NW/4 NE/4
Target Location: 600' FNL & 1,850' FWL NE/4 NW/4,
Section 33, T10S, R20E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and two copies of the *Application for Permit to Drill (APD)* for the above referenced directional well. A request for exception to spacing (R649-3-11) is hereby requested based on topography since the well is located within 460' of the drilling unit boundary. Dominion is the only owner and operator within 460' of the proposed well and all points along the intended well bore path. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

Don Hamilton

Don Hamilton
Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining
Carla Christian, Dominion

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DIV. OF OIL, GAS & MINING

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Form 3160-3
(February 2005)

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. **U-28203**

6. If Indian, Allotee or Tribe Name **N/A**

7. If Unit or CA Agreement, Name and No. **Hill Creek Unit**

8. Lease Name and Well No. **HCU 3-33F**

9. API Well No. 43-047-37203

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

2. Name of Operator **Dominion Exploration & Production, Inc.**

3a. Address **14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134**

3b. Phone No. *(include area code)* **405-749-5263**

10. Field and Pool, or Exploratory **Natural Buttes**

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface **345' FNL & 2,490' FEL NW/4 NE/4**
At proposed prod. zone **600' FNL & 1,850' FWL NE/4 NW/4,**

11. Sec., T. R. M. or Blk. and Survey or Area **Section 33, T10S, R20E, SLB&M**

14. Distance in miles and direction from nearest town or post office* **12.32 miles south of Ouray, Utah**

12. County or Parish **Uintah**

13. State **UT**

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) **1,170'**

16. No. of acres in lease **1,880 acres**

17. Spacing Unit dedicated to this well **40 acres**

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **25'**

19. Proposed Depth **8,000'**

20. BLM/BIA Bond No. on file **76S 63050 0330**

21. Elevations (Show whether DF, KDB, RT, GL, etc.) **5,216' GR**

22. Approximate date work will start* **03/01/2006**

23. Estimated duration **14 days**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature Don Hamilton — Name *(Printed/Typed)* **Don Hamilton** — Date **09/27/2005**

Title **Agent for Dominion**

Approved by *(Signature)* — Name *(Printed/Typed)* — Date 10-03-05

Title — Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

Surf 613807 X
4418417 Y
39.910094
-109.668534

BHL 613523 X
4418331 Y
39.909360
-109.671871

Federal Approval of this Action is Necessary

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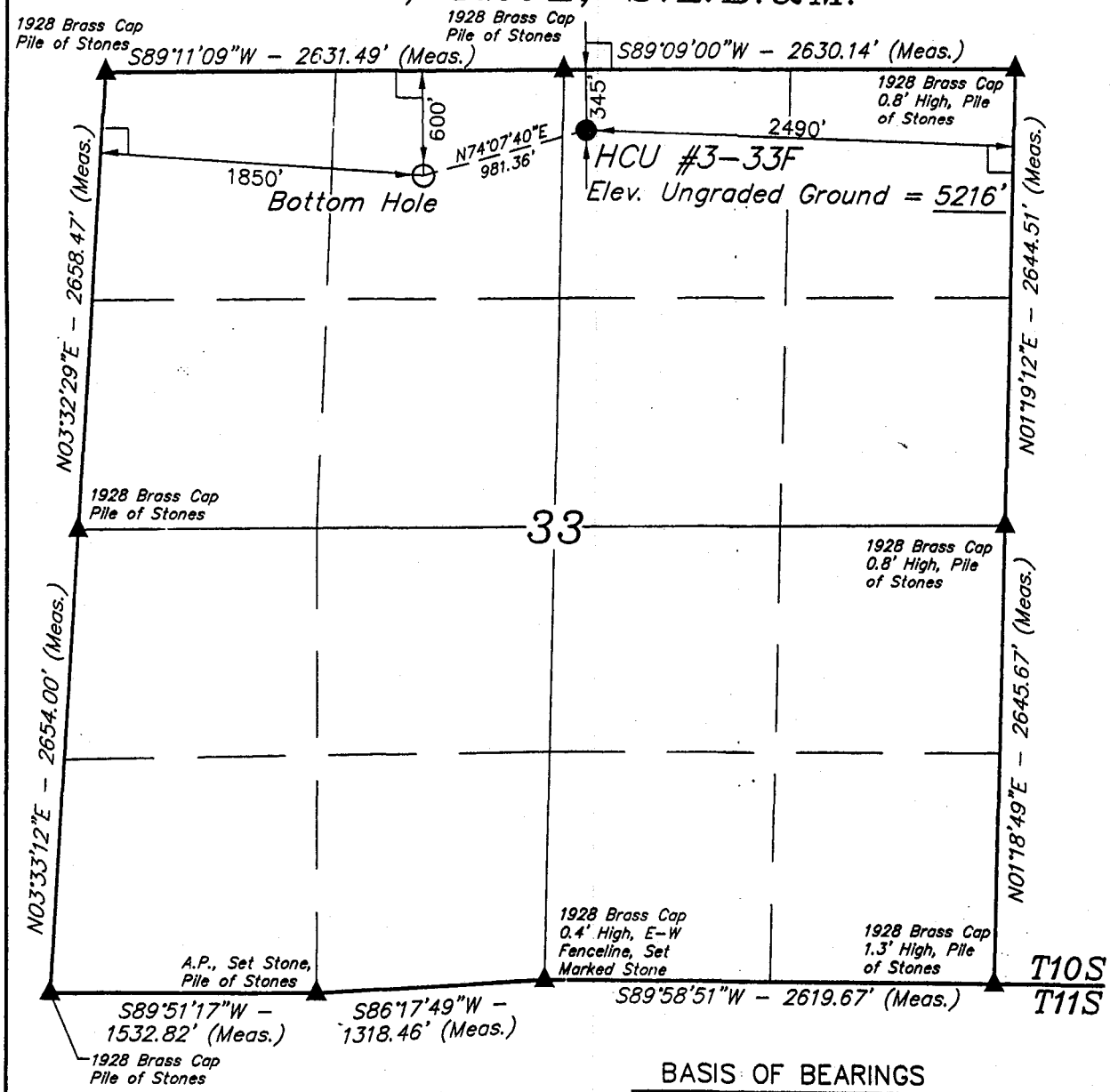
T10S, R20E, S.L.B.&M.

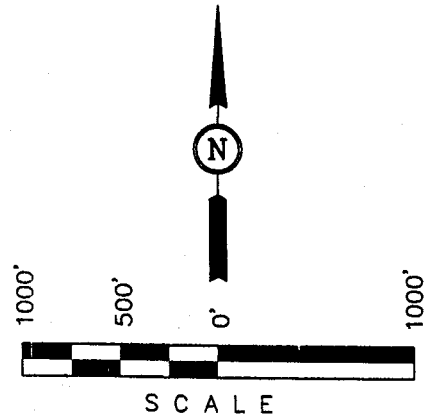


DOMINION EXPLR. & PROD., INC.

Well location, HCU #3–33F, located as shown in the NW 1/4 NE 1/4 of Section 33, T10S, R20E, S.L.B.&M. Uintah County Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°54'36.38" (39.910106)
LONGITUDE = 109°40'09.10" (109.669194)
(NAD 27)
LATITUDE = 39°54'36.51" (39.910142)
LONGITUDE = 109°40'06.61" (109.668503)

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE 1" = 1000'	DATE SURVEYED: 05–11–05	DATE DRAWN: 05–20–05
PARTY B.B. J.M. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE DOMINION EXPLR. & PROD., INC	

DRILLING PLAN

APPROVAL OF OPERATIONS

Attachment for Permit to Drill

Name of Operator:	Dominion Exploration & Production
Address:	14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134
Well Location:	HCU 3-33F SHL: 345' FNL & 2490' FEL, Section 33-10S-20E BHL: 600' FNL & 1850' FWL, Section 33-10S-20E Uintah County, UT

1. GEOLOGIC SURFACE FORMATION — Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

Formation	Depth
Wasatch Tongue	3,855'
Uteland Limestone	4,175'
Wasatch	4,325'
Chapita Wells	5,280'
Uteland Buttes	6,335'
Mesaverde	7,135'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL, GAS OR MINERALS

Formation	Depth	Type
Wasatch Tongue	3,855'	Oil
Uteland Limestone	4,175'	Oil
Wasatch	4,325'	Gas
Chapita Wells	5,280'	Gas
Uteland Buttes	6,335'	Gas
Mesaverde	7,135'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	Size	Weight	Grade	Conn.	Top	Bottom	Hole
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-½"
Intermediate	9-5/8"	36.0 ppf	J-55	LTC	0'	2,800'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,000'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.
Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.
Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from intermediate casing to total depth. The blind rams will be tested once per day from intermediate casing to total depth if operations permit.

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DRILLING PLAN

APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling below the intermediate casing shoe. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

6. MUD SYSTEMS
   - An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
   - KCL mud system will be used to drill well.

Depths	Mud Weight (ppg)	Mud System
0' – 500'	8.4	Air foam mist, no pressure control
500' – 2,800'	8.6	Fresh water, rotating head and diverter
2,800' – 8,000'	8.6	Fresh water/2% KCL/KCL mud system

7. BLOOIE LINE
   - An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
   - A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
   - "Target tee" connections will be a minimum of 50' from wellhead.
   - The blooie line discharge will be a minimum of 100' from the wellhead.

8. AUXILIARY EQUIPMENT TO BE USED
   a. Kelly cock.
   b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED
   - A drillstem test in the Wasatch Tongue is possible.
   - One electric line wire-log will be run from total depth to intermediate casing.
   - The gamma ray will be left on to record from total depth to intermediate casing.
   - Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
   - A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED
    - Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
    - No abnormal temperature or pressures are anticipated.
    - The formations to be penetrated do not contain known H2S gas.

11. WATER SUPPLY
    - No water pipelines will be laid for this well.
    - No water well will be drilled for this well.
    - Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
    - Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

DRILLING PLAN

APPROVAL OF OPERATIONS

12. CEMENT SYSTEMS

a. Surface Cement:
Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% $CaCl_2$ and 1/4 #/sk. Poly-E-Flakes (volume includes 40% excess). Top out if necessary with Top Out cement listed below.

b. Intermediate Casing Cement:
- Drill 12-1/4" hole to 2,800'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug two joints off bottom e) bottom three joints thread locked f) pump job with bottom plug only.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	300	0'–2,000'	11.0 ppg	3.82 CFS	658 CF	1,152 CF	75%
Tail	390	2,000'–2,800'	15.6 ppg	1.20 CFS	268 CF	469 CF	75%

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 3.82 cf/sack Slurry weight: 11.00 #/gal.
Water requirement: 22.95 gal/sack
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.
Pump Time: 1 hr. 5 min. @ 90 °F.
Compressives @ 95 °F: 24 Hour is 4,700 psi

c. Production Casing Cement:
- Drill 7-7/8" hole to 8,000'±, run and cement 5 1/2".
- Cement interface is at 3,700', which is typically 500'-1,000' above shallowest pay.
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 3% KCL.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	90	3,700'–4,500'	11.5 ppg	3.12 CFS	139 CF	277 CF	100%
Tail	600	4,500'–8,000'	13.0 ppg	1.75 CFS	525 CF	1050 CF	100%

Note: Caliper will be run to determine exact cement volume.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.
Water requirement: 17.71 gal/sack
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.
Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.
Water requirement: 9.09 gal/sack
Compressives @ 165°F: 905 psi after 24 hours

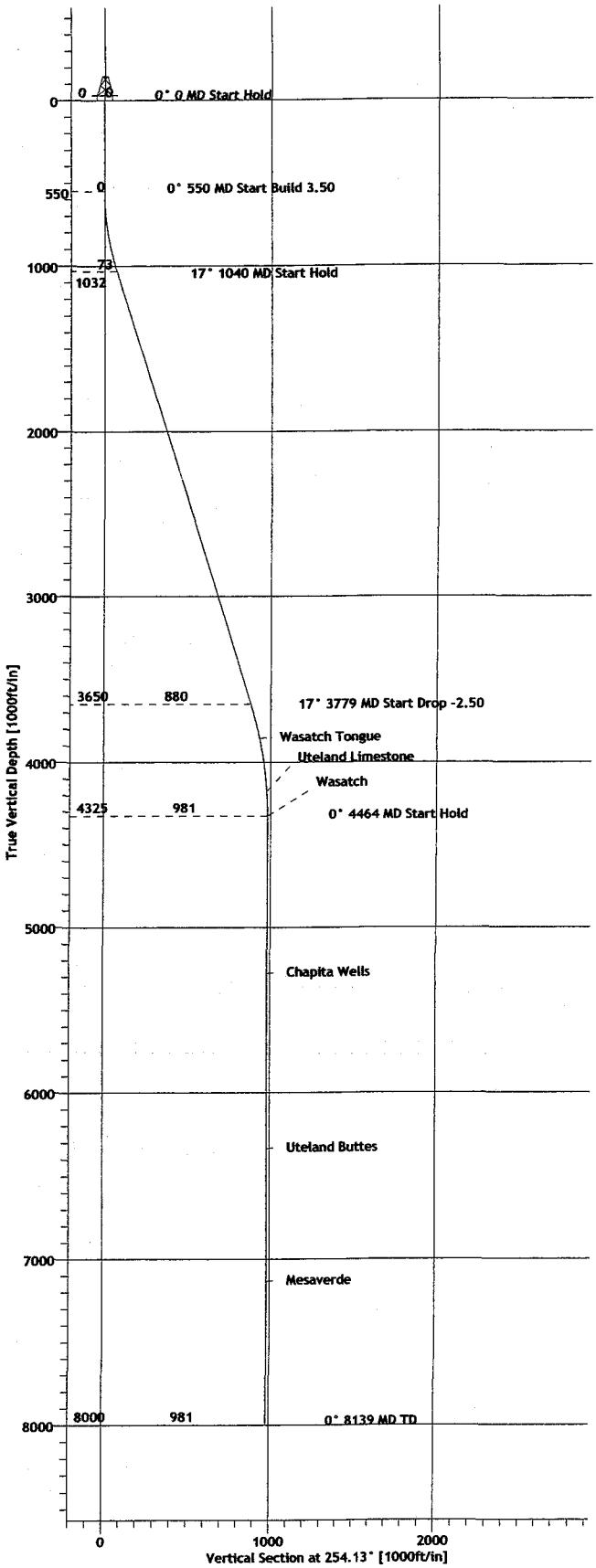
13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS
Starting Date: March 1, 2005
Duration: 14 Days

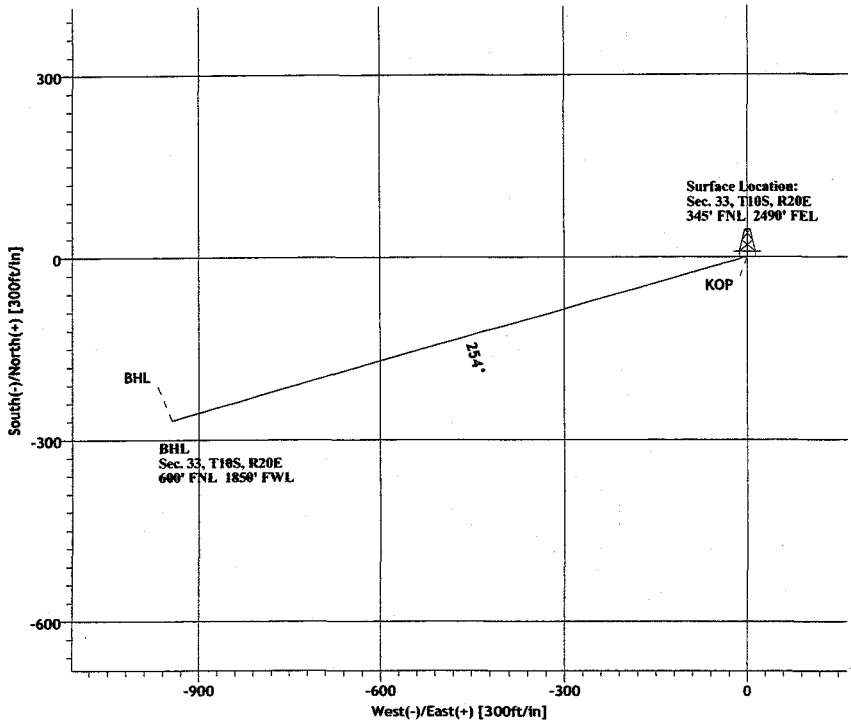
Ryan

Plan #1

Dominion E & P

Well: HCU 3-33F
Field: Hill Creek Unit
Uintah Co. Utah
Sec. 33, T10S, R20E





SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	
2	550.00	0.00	254.13	550.00	0.00	0.00	0.00	254.13	0.00	
3	1039.56	17.13	254.13	1032.30	-19.87	-69.89	3.50	254.13	72.66	
4	3778.62	17.13	254.13	3649.79	-240.58	-846.10	0.00	0.00	879.63	
5	4464.01	0.00	254.13	4325.00	-268.40	-943.94	2.50	180.00	981.36	
6	8139.01	0.00	254.13	8000.00	-268.40	-943.94	0.00	254.13	981.36	

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
HCU 3-33F	0.00	0.00	7141249.77	2153929.56	39°54'36.380N	109°40'09.100W	N/A

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3855.00	3990.65	Wasatch Tongue
2	4175.00	4313.90	Uteland Limestone
3	4325.00	4464.01	Wasatch
4	5280.00	5419.01	Chapita Wells
5	6335.00	6474.01	Uteland Buttes
6	7135.00	7274.01	Mesaverde

WELLPATH DETAILS

1

Rig:
Ref. Datum: est.KB @ 5235' 0.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
254.13°	0.00	0.00	0.00

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Site Centre HCU 3-33F, True North
Vertical (TVD) Reference: est.KB @ 5235' 0.00
Section (VS) Reference: Site Centre (0.00N,0.00E)
Measured Depth Reference: est.KB @ 5235' 0.00
Calculation Method: Minimum Curvature

Azimuths to True North
Magnetic North: 11.86°

Magnetic Field
Strength: 52879nT
Dip Angle: 65.91°
Date: 9/21/2005
Model: igrf2005

FIELD DETAILS

Natural Buttes Field
Uintah County, Utah
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

HCU 3-33F
Sec. 33, T10S, R20E
Hill Creek Unit

Site Centre Latitude: 39°54'36.380N
Longitude: 109°40'09.100W

Ground Level: 5215.00
Positional Uncertainty: 0.00
Convergence: 1.17

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Ryan Energy Technologies
Planning Report

Dominion

Ryan

Company: Dominion E & P	**Date:** 9/21/2005	**Time:** 10:23:52	**Page:** 1
Field: Natural Buttes Field	**Co-ordinate(NE) Reference:** Site: HCU 3-33F, True North		
Site: HCU 3-33F	**Vertical (TVD) Reference:** est.KB @ 5235' 0.0		
Well: HCU 3-33F	**Section (VS) Reference:** Site (0.00N,0.00E,254.13Azi)		
Wellpath: 1	**Plan:** Plan #1		

Field: Natural Buttes Field
Uintah County, Utah
USA

Map System:	US State Plane Coordinate System 1983	**Map Zone:**	Utah, Central Zone
Geo Datum:	GRS 1980	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	igrf2005

Site: HCU 3-33F
Sec. 33, T10S, R20E
Hill Creek Unit

Site Position:		**Northing:**	7141249.77	ft	**Latitude:**	39	54	36.380	N
From:	Geographic	**Easting:**	2153929.56	ft	**Longitude:**	109	40	9.100	W
Position Uncertainty:	0.00 ft				**North Reference:**			True	
Ground Level:	5215.00 ft				**Grid Convergence:**			1.17	deg

Well: HCU 3-33F — **Slot Name:**

Surface Position:	+N/-S 0.00 ft	**Northing:**	7141249.77	ft	**Latitude:**	39	54	36.380	N
	+E/-W 0.00 ft	**Easting :**	2153929.56	ft	**Longitude:**	109	40	9.100	W
Position Uncertainty:	0.00 ft								
Reference Point:	+N/-S 0.00 ft	**Northing:**	7141249.77	ft	**Latitude:**	39	54	36.380	N
	+E/-W 0.00 ft	**Easting :**	2153929.56	ft	**Longitude:**	109	40	9.100	W
		Measured Depth:	0.00	ft	**Inclination:**			0.00	deg
		Vertical Depth:	0.00	ft	**Azimuth :**			0.00	deg

Wellpath: 1

Current Datum:	est.KB @ 5235'	**Height**	0.00 ft	**Drilled From:**	Well Ref. Point
Magnetic Data:	9/21/2005			**Tie-on Depth:**	0.00 ft
Field Strength:	52879 nT			**Above System Datum:**	Mean Sea Level
				Declination:	11.86 deg
				Mag Dip Angle:	65.91 deg

Vertical Section: Depth From (TVD) ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
0.00	0.00	0.00	254.13

Plan:	Plan #1	**Date Composed:**	9/21/2005
		Version:	1
Principal:	Yes	**Tied-to:**	From Well Ref. Point

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
550.00	0.00	254.13	550.00	0.00	0.00	0.00	0.00	0.00	254.13	
1039.56	17.13	254.13	1032.30	-19.87	-69.89	3.50	3.50	0.00	254.13	
3778.62	17.13	254.13	3649.79	-240.58	-846.10	0.00	0.00	0.00	0.00	
4464.01	0.00	254.13	4325.00	-268.40	-943.94	2.50	-2.50	0.00	180.00	
8139.01	0.00	254.13	8000.00	-268.40	-943.94	0.00	0.00	0.00	254.13	

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	254.13	100.00	0.00	0.00	0.00	0.00	0.00	0.00	254.13
200.00	0.00	254.13	200.00	0.00	0.00	0.00	0.00	0.00	0.00	254.13
300.00	0.00	254.13	300.00	0.00	0.00	0.00	0.00	0.00	0.00	254.13
400.00	0.00	254.13	400.00	0.00	0.00	0.00	0.00	0.00	0.00	254.13
500.00	0.00	254.13	500.00	0.00	0.00	0.00	0.00	0.00	0.00	254.13
550.00	0.00	254.13	550.00	0.00	0.00	0.00	0.00	0.00	0.00	254.13

Section 2 : Start Build 3.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
600.00	1.75	254.13	599.99	-0.21	-0.73	0.76	3.50	3.50	0.00	0.00
700.00	5.25	254.13	699.79	-1.88	-6.61	6.87	3.50	3.50	0.00	0.00

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Company: Dominion E & P		**Date:** 9/21/2005	**Time:** 10:23:52		**Page:** 2
Field: Natural Buttes Field		**Co-ordinate(NE) Reference:** Site: HCU 3-33F, True North			
Site: HCU 3-33F		**Vertical (TVD) Reference:** est.KB @ 5235' 0.0			
Well: HCU 3-33F		**Section (VS) Reference:** Site (0.00N,0.00E,254.13Azi)			
Wellpath: 1		**Plan:** Plan #1			

Section 2 : Start Build 3.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
800.00	8.75	254.13	799.03	-5.21	-18.33	19.05	3.50	3.50	0.00	0.00
900.00	12.25	254.13	897.34	-10.19	-35.85	37.27	3.50	3.50	0.00	0.00
1000.00	15.75	254.13	994.35	-16.81	-59.12	61.46	3.50	3.50	0.00	0.00
1039.56	17.13	254.13	1032.30	-19.87	-69.89	72.66	3.50	3.50	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1100.00	17.13	254.13	1090.05	-24.74	-87.02	90.47	0.00	0.00	0.00	0.00
1200.00	17.13	254.13	1185.61	-32.80	-115.35	119.93	0.00	0.00	0.00	0.00
1300.00	17.13	254.13	1281.18	-40.86	-143.69	149.39	0.00	0.00	0.00	0.00
1400.00	17.13	254.13	1376.74	-48.92	-172.03	178.85	0.00	0.00	0.00	0.00
1500.00	17.13	254.13	1472.30	-56.97	-200.37	208.31	0.00	0.00	0.00	0.00
1600.00	17.13	254.13	1567.86	-65.03	-228.71	237.77	0.00	0.00	0.00	0.00
1700.00	17.13	254.13	1663.42	-73.09	-257.05	267.24	0.00	0.00	0.00	0.00
1800.00	17.13	254.13	1758.98	-81.15	-285.39	296.70	0.00	0.00	0.00	0.00
1900.00	17.13	254.13	1854.54	-89.20	-313.72	326.16	0.00	0.00	0.00	0.00
2000.00	17.13	254.13	1950.11	-97.26	-342.06	355.62	0.00	0.00	0.00	0.00
2100.00	17.13	254.13	2045.67	-105.32	-370.40	385.08	0.00	0.00	0.00	0.00
2200.00	17.13	254.13	2141.23	-113.38	-398.74	414.54	0.00	0.00	0.00	0.00
2300.00	17.13	254.13	2236.79	-121.44	-427.08	444.01	0.00	0.00	0.00	0.00
2400.00	17.13	254.13	2332.35	-129.49	-455.42	473.47	0.00	0.00	0.00	0.00
2500.00	17.13	254.13	2427.91	-137.55	-483.75	502.93	0.00	0.00	0.00	0.00
2600.00	17.13	254.13	2523.48	-145.61	-512.09	532.39	0.00	0.00	0.00	0.00
2700.00	17.13	254.13	2619.04	-153.67	-540.43	561.85	0.00	0.00	0.00	0.00
2800.00	17.13	254.13	2714.60	-161.72	-568.77	591.31	0.00	0.00	0.00	0.00
2900.00	17.13	254.13	2810.16	-169.78	-597.11	620.78	0.00	0.00	0.00	0.00
3000.00	17.13	254.13	2905.72	-177.84	-625.45	650.24	0.00	0.00	0.00	0.00
3100.00	17.13	254.13	3001.28	-185.90	-653.78	679.70	0.00	0.00	0.00	0.00
3200.00	17.13	254.13	3096.84	-193.95	-682.12	709.16	0.00	0.00	0.00	0.00
3300.00	17.13	254.13	3192.41	-202.01	-710.46	738.62	0.00	0.00	0.00	0.00
3400.00	17.13	254.13	3287.97	-210.07	-738.80	768.09	0.00	0.00	0.00	0.00
3500.00	17.13	254.13	3383.53	-218.13	-767.14	797.55	0.00	0.00	0.00	0.00
3600.00	17.13	254.13	3479.09	-226.19	-795.48	827.01	0.00	0.00	0.00	0.00
3700.00	17.13	254.13	3574.65	-234.24	-823.82	856.47	0.00	0.00	0.00	0.00
3778.62	17.13	254.13	3649.79	-240.58	-846.10	879.63	0.00	0.00	0.00	0.00

Section 4 : Start Drop -2.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3800.00	16.60	254.13	3670.24	-242.28	-852.06	885.84	2.50	-2.50	0.00	180.00
3900.00	14.10	254.13	3766.67	-249.51	-877.52	912.31	2.50	-2.50	0.00	180.00
3990.65	11.83	254.13	3855.00	-255.08	-897.09	932.65	2.50	-2.50	0.00	180.00
4000.00	11.60	254.13	3864.16	-255.60	-898.91	934.55	2.50	-2.50	0.00	-180.00
4100.00	9.10	254.13	3962.52	-260.51	-916.19	952.51	2.50	-2.50	0.00	180.00
4200.00	6.60	254.13	4061.58	-264.25	-929.33	966.17	2.50	-2.50	0.00	180.00
4300.00	4.10	254.13	4161.13	-266.80	-938.30	975.49	2.50	-2.50	0.00	180.00
4313.90	3.75	254.13	4175.00	-267.06	-939.21	976.44	2.50	-2.50	0.00	180.00
4400.00	1.60	254.13	4261.00	-268.16	-943.08	980.46	2.50	-2.50	0.00	-180.00
4464.01	0.00	254.13	4325.00	-268.40	-943.94	981.36	2.50	-2.50	0.00	-180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4500.00	0.00	254.13	4360.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
4600.00	0.00	254.13	4460.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
4700.00	0.00	254.13	4560.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
4800.00	0.00	254.13	4660.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
4900.00	0.00	254.13	4760.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5000.00	0.00	254.13	4860.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5100.00	0.00	254.13	4960.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13

CONFIDENTIAL

Company: Dominion E & P
Field: Natural Buttes Field
Site: HCU 3-33F
Well: HCU 3-33F
Wellpath: 1

Date: 9/21/2005 **Time:** 10:23:52 **Page:** 3
Co-ordinate(NE) Reference: Site: HCU 3-33F, True North
Vertical (TVD) Reference: est.KB @ 5235' 0.0
Section (VS) Reference: Site (0.00N,0.00E,254.13Azi)
Plan: Plan #1

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5200.00	0.00	254.13	5060.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5300.00	0.00	254.13	5160.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5400.00	0.00	254.13	5260.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5419.01	0.00	254.13	5280.00	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5500.00	0.00	254.13	5360.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5600.00	0.00	254.13	5460.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5700.00	0.00	254.13	5560.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5800.00	0.00	254.13	5660.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
5900.00	0.00	254.13	5760.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6000.00	0.00	254.13	5860.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6100.00	0.00	254.13	5960.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6200.00	0.00	254.13	6060.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6300.00	0.00	254.13	6160.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6400.00	0.00	254.13	6260.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6474.01	0.00	254.13	6335.00	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6500.00	0.00	254.13	6360.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6600.00	0.00	254.13	6460.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6700.00	0.00	254.13	6560.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6800.00	0.00	254.13	6660.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
6900.00	0.00	254.13	6760.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7000.00	0.00	254.13	6860.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7100.00	0.00	254.13	6960.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7200.00	0.00	254.13	7060.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7274.01	0.00	254.13	7135.00	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7300.00	0.00	254.13	7160.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7400.00	0.00	254.13	7260.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7500.00	0.00	254.13	7360.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7600.00	0.00	254.13	7460.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7700.00	0.00	254.13	7560.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7800.00	0.00	254.13	7660.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
7900.00	0.00	254.13	7760.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
8000.00	0.00	254.13	7860.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
8100.00	0.00	254.13	7960.99	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13
8139.01	0.00	254.13	8000.00	-268.40	-943.94	981.36	0.00	0.00	0.00	254.13

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	254.13	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	254.13	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	254.13	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	254.13	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	254.13	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
550.00	0.00	254.13	550.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
600.00	1.75	254.13	599.99	-0.21	-0.73	0.76	3.50	3.50	0.00	
700.00	5.25	254.13	699.79	-1.88	-6.61	6.87	3.50	3.50	0.00	
800.00	8.75	254.13	799.03	-5.21	-18.33	19.05	3.50	3.50	0.00	
900.00	12.25	254.13	897.34	-10.19	-35.85	37.27	3.50	3.50	0.00	
1000.00	15.75	254.13	994.35	-16.81	-59.12	61.46	3.50	3.50	0.00	
1039.56	17.13	254.13	1032.30	-19.87	-69.89	72.66	3.50	3.50	0.00	
1100.00	17.13	254.13	1090.05	-24.74	-87.02	90.47	0.00	0.00	0.00	
1200.00	17.13	254.13	1185.61	-32.80	-115.35	119.93	0.00	0.00	0.00	
1300.00	17.13	254.13	1281.18	-40.86	-143.69	149.39	0.00	0.00	0.00	
1400.00	17.13	254.13	1376.74	-48.92	-172.03	178.85	0.00	0.00	0.00	
1500.00	17.13	254.13	1472.30	-56.97	-200.37	208.31	0.00	0.00	0.00	
1600.00	17.13	254.13	1567.86	-65.03	-228.71	237.77	0.00	0.00	0.00	
1700.00	17.13	254.13	1663.42	-73.09	-257.05	267.24	0.00	0.00	0.00	
1800.00	17.13	254.13	1758.98	-81.15	-285.39	296.70	0.00	0.00	0.00	

CONFIDENTIAL

Company: Dominion E & P
Field: Natural Buttes Field
Site: HCU 3-33F
Well: HCU 3-33F
Wellpath: 1

Date: 9/21/2005 **Time:** 10:23:52 **Page:** 4
Co-ordinate(NE) Reference: Site: HCU 3-33F, True North
Vertical (TVD) Reference: est.KB @ 5235' 0.0
Section (VS) Reference: Site (0.00N,0.00E,254.13Azi)
Plan: Plan #1

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1900.00	17.13	254.13	1854.54	-89.20	-313.72	326.16	0.00	0.00	0.00	
2000.00	17.13	254.13	1950.11	-97.26	-342.06	355.62	0.00	0.00	0.00	
2100.00	17.13	254.13	2045.67	-105.32	-370.40	385.08	0.00	0.00	0.00	
2200.00	17.13	254.13	2141.23	-113.38	-398.74	414.54	0.00	0.00	0.00	
2300.00	17.13	254.13	2236.79	-121.44	-427.08	444.01	0.00	0.00	0.00	
2400.00	17.13	254.13	2332.35	-129.49	-455.42	473.47	0.00	0.00	0.00	
2500.00	17.13	254.13	2427.91	-137.55	-483.75	502.93	0.00	0.00	0.00	
2600.00	17.13	254.13	2523.48	-145.61	-512.09	532.39	0.00	0.00	0.00	
2700.00	17.13	254.13	2619.04	-153.67	-540.43	561.85	0.00	0.00	0.00	
2800.00	17.13	254.13	2714.60	-161.72	-568.77	591.31	0.00	0.00	0.00	
2900.00	17.13	254.13	2810.16	-169.78	-597.11	620.78	0.00	0.00	0.00	
3000.00	17.13	254.13	2905.72	-177.84	-625.45	650.24	0.00	0.00	0.00	
3100.00	17.13	254.13	3001.28	-185.90	-653.78	679.70	0.00	0.00	0.00	
3200.00	17.13	254.13	3096.84	-193.95	-682.12	709.16	0.00	0.00	0.00	
3300.00	17.13	254.13	3192.41	-202.01	-710.46	738.62	0.00	0.00	0.00	
3400.00	17.13	254.13	3287.97	-210.07	-738.80	768.09	0.00	0.00	0.00	
3500.00	17.13	254.13	3383.53	-218.13	-767.14	797.55	0.00	0.00	0.00	
3600.00	17.13	254.13	3479.09	-226.19	-795.48	827.01	0.00	0.00	0.00	
3700.00	17.13	254.13	3574.65	-234.24	-823.82	856.47	0.00	0.00	0.00	
3778.62	17.13	254.13	3649.79	-240.58	-846.10	879.63	0.00	0.00	0.00	
3800.00	16.60	254.13	3670.24	-242.28	-852.06	885.84	2.50	-2.50	0.00	
3900.00	14.10	254.13	3766.67	-249.51	-877.52	912.31	2.50	-2.50	0.00	
3990.65	11.83	254.13	3855.00	-255.08	-897.09	932.65	2.50	-2.50	0.00	Wasatch Tongue
4000.00	11.60	254.13	3864.16	-255.60	-898.91	934.55	2.50	-2.50	0.00	
4100.00	9.10	254.13	3962.52	-260.51	-916.19	952.51	2.50	-2.50	0.00	
4200.00	6.60	254.13	4061.58	-264.25	-929.33	966.17	2.50	-2.50	0.00	
4300.00	4.10	254.13	4161.13	-266.80	-938.30	975.49	2.50	-2.50	0.00	
4313.90	3.75	254.13	4175.00	-267.06	-939.21	976.44	2.50	-2.50	0.00	Uteland Limestone
4400.00	1.60	254.13	4261.00	-268.16	-943.08	980.46	2.50	-2.50	0.00	
4464.01	0.00	254.13	4325.00	-268.40	-943.94	981.36	2.50	-2.50	0.00	Wasatch
4500.00	0.00	254.13	4360.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
4600.00	0.00	254.13	4460.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
4700.00	0.00	254.13	4560.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
4800.00	0.00	254.13	4660.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
4900.00	0.00	254.13	4760.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5000.00	0.00	254.13	4860.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5100.00	0.00	254.13	4960.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5200.00	0.00	254.13	5060.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5300.00	0.00	254.13	5160.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5400.00	0.00	254.13	5260.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5419.01	0.00	254.13	5280.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Chapita Wells
5500.00	0.00	254.13	5360.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5600.00	0.00	254.13	5460.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5700.00	0.00	254.13	5560.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5800.00	0.00	254.13	5660.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
5900.00	0.00	254.13	5760.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6000.00	0.00	254.13	5860.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6100.00	0.00	254.13	5960.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6200.00	0.00	254.13	6060.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6300.00	0.00	254.13	6160.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6400.00	0.00	254.13	6260.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6474.01	0.00	254.13	6335.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Uteland Buttes
6500.00	0.00	254.13	6360.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6600.00	0.00	254.13	6460.99	-268.40	-943.94	981.36	0.00	0.00	0.00	

Company: Dominion E & P
Field: Natural Buttes Field
Site: HCU 3-33F
Well: HCU 3-33F
Wellpath: 1

Date: 9/21/2005 **Time:** 10:23:52 **Page:** 5
Co-ordinate(NE) Reference: Site: HCU 3-33F, True North
Vertical (TVD) Reference: est.KB @ 5235' 0.0
Section (VS) Reference: Site (0.00N,0.00E,254.13Azi)
Plan: Plan #1

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6700.00	0.00	254.13	6560.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6800.00	0.00	254.13	6660.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
6900.00	0.00	254.13	6760.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7000.00	0.00	254.13	6860.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7100.00	0.00	254.13	6960.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7200.00	0.00	254.13	7060.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7274.01	0.00	254.13	7135.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Mesaverde
7300.00	0.00	254.13	7160.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7400.00	0.00	254.13	7260.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7500.00	0.00	254.13	7360.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7600.00	0.00	254.13	7460.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7700.00	0.00	254.13	7560.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7800.00	0.00	254.13	7660.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
7900.00	0.00	254.13	7760.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
8000.00	0.00	254.13	7860.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
8100.00	0.00	254.13	7960.99	-268.40	-943.94	981.36	0.00	0.00	0.00	
8139.01	0.00	254.13	8000.00	-268.40	-943.94	981.36	0.00	0.00	0.00	BHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3990.65	3855.00	Wasatch Tongue		0.00	0.00
4313.90	4175.00	Uteland Limestone		0.00	0.00
4464.01	4325.00	Wasatch		0.00	0.00
5419.01	5280.00	Chapita Wells		0.00	0.00
6474.01	6335.00	Uteland Buttes		0.00	0.00
7274.01	7135.00	Mesaverde		0.00	0.00

Annotation

MD ft	TVD ft	
550.00	550.00	KOP
8139.01	8000.00	BHL

SURFACE USE PLAN

CONDITIONS OF APPROVAL

Attachment for Permit to Drill

Name of Operator:	Dominion Exploration & Production
Address:	14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134
Well Location:	HCU 3-33F SHL: 345' FNL & 2490' FEL, Section 33-10S-20E BHL: 600' FNL & 1850' FWL, Section 33-10S-20E Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The federal onsite inspection for the referenced well was conducted on Wednesday, September 7, 2005 at approximately 11:15 pm. In attendance at the onsite inspection were the following individuals:

Ken Secrest	Foreman	Dominion E & P, Inc.
Karl Wright	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Amy Torres	Biologist	Bureau of Land Management – Vernal
Brandon Bowthorpe	Surveyor	Uintah Engineering and Land Surveying
Jason Robins	Surveyor Helper	Uintah Engineering and Land Surveying
Don Hamilton	Agent for Dominion	Buys & Associates, Inc.
Grizz Oleen	Biologist	Buys & Associates, Inc.

1. Existing Roads:

   a. The proposed well site is located approximately 12.32 miles south of Ouray, UT.

   b. Directions to the proposed well site have been attached at the end of Exhibit B.

   c. The use of roads under State and County Road Department maintenance are necessary to access the Hill Creek Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.

   d. All existing roads will be maintained and kept in good repair during all phases of operation.

   e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

   f. Since no improvements are anticipated to the State, County, Tribal or BLM access roads no topsoil striping will occur.

   g. An off-lease federal Right-of-Way is not anticipated for the access road or utility corridor since both are located within the existing Hill Creek Unit boundary.

2. Planned Access Roads:

a. From the proposed HCU 6-33F access road an access is proposed trending northeast approximately 0.45 miles to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainages. A road design plan is not anticipated at this time.

b. The proposed access road will consist of a 24' travel surface within a 30' disturbed area.

c. BLM approval to construct and utilize the proposed access road is requested with this application.

d. A maximum grade of 10% will be maintained throughout the project with minor cuts and fills required to access the well.

e. No turnouts are proposed since the access road is only 0.45 miles long and adequate site distance exists in all directions.

f. No culverts or low water crossings are anticipated. Adequate drainage structures will be incorporated into the road.

g. No surfacing material will come from federal or Indian lands.

h. No gates or cattle guards are anticipated at this time.

i. Surface disturbance and vehicular travel will be limited to the approved location access road.

j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

k. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Production Facilities:

a. All permanent structures will be painted a flat, non-reflective Desert Brown to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.

c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.

e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.

f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.

g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

h. A gas pipeline is associated with this application and is being applied for at this time. The proposed gas pipeline corridor will leave the southwest side of the well site and traverse 2,271' southwest to the proposed 8" or less pipeline corridor that will service the HCU 6-33F wellsite.

i. The new gas pipeline will be an 8" or less steel line within a 50' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction. A new pipeline length of approximately 2,271' is associated with this well.

j. The pipeline will be surface laid since bedrock exists within 2' of the surface.

k. Dominion intends on installing the pipeline by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

6. Source of Construction Material:

a. The use of materials will conform to 43 CFR 3610.2-3.

b. No construction materials will be removed from Ute Tribal or BLM lands.

c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.

b. Drill cuttings will be contained and buried on site.

c. The reserve pit will be located outboard of the location and along the southeast side of the pad.

d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.

e. The reserve pit will be lined with 12 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.

f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.

g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.

h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.

j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.

k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.

l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.

m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

9. Well Site Layout: (See Exhibit B)

a. The well will be properly identified in accordance with 43 CFR 3162.6.

b. Access to the well pad will be from the southwest.

c. The pad and road designs are consistent with BLM specification

d. A pre-construction meeting with responsible company representative, contractors, and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.

e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.

f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.

h. Diversion ditches will be constructed as shown around the well site to prevent surface waters form entering the well site area.

i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.

j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

k. Pits will remain fenced until site cleanup.

l. The blooie line will be located at least 100 feet from the well head.

m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface:

a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.

b. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On and BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.

c. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.

d. The cut and fill slopes and all other disturbed areas not needed for the production operation will be top soiled and re-vegetated. The stockpiled topsoil will be evenly distributed over the disturbed area.

e. Prior to reseeding the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

a. Surface Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.

b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.

c. Our understanding of the results of the onsite inspection are:

a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.

b. Squat tanks will be utilized since the wellsite is near the edge of Big Pack Mountain.

13. Operator's Representative and Certification

Title	Name	Office Phone
Company Representative (Roosevelt)	Ken Secrest	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature: Don Hamilton Date: 9-27-05

DOMINION EXPLR. & PROD., INC.
HCU #15-28F & #3-33F
SECTION 33, T10S, R20E, S.L.B.&M.

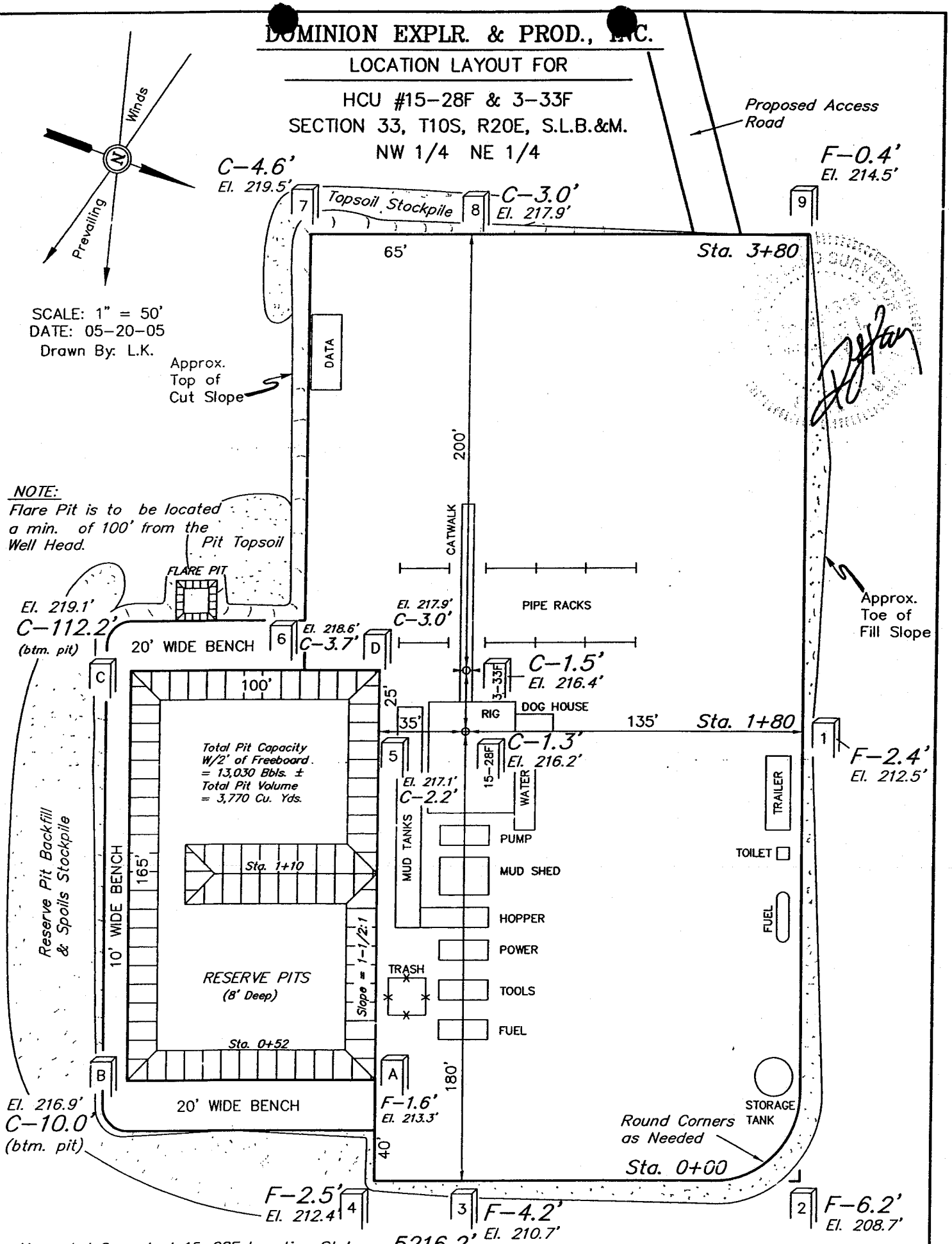
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 4.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.45 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING TWO-TRACK ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #10-28F TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY, THEN WESTERLY, THEN NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #13-33F TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #5-33F TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #6-33F TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.45 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.7 MILES.

DOMINION EXPLR. & PROD., INC.

LOCATION LAYOUT FOR

HCU #15-28F & 3-33F
SECTION 33, T10S, R20E, S.L.B.&M.
NW 1/4 NE 1/4



Elev. Ungraded Ground at 15-28F Location Stake = 5216.2'
Elev. Graded Ground at 15-28F Location Stake = 5214.9'

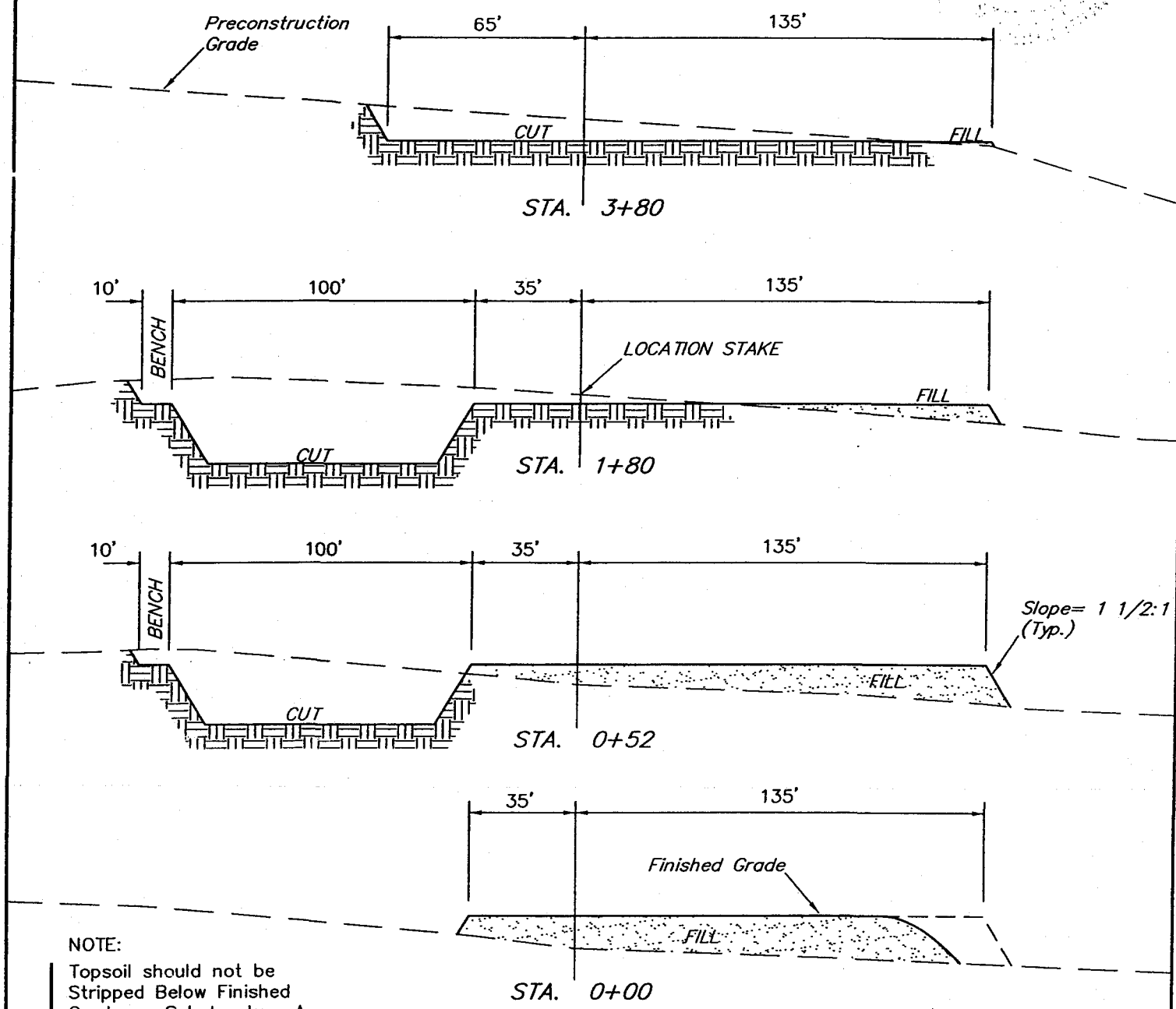
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

DOMINION EXPLR. & PROD., INC.

TYPICAL CROSS SECTIONS FOR

HCU #15-28F & 3-33F
SECTION 33, T10S, R20E, S.L.B.&M.
NW 1/4 NE 1/4

1" = 20'
X-Section Scale
1" = 50'
DATE: 05-20-05
Drawn By: L.K.



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	=	1,870 Cu. Yds.
Remaining Location	=	6,740 Cu. Yds.
TOTAL CUT	=	8,610 CU.YDS.
FILL	=	4,850 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL	=	3,760 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,760 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

DOMINION EXPLR. & PROD., INC.

HCU #15-28F & #3-33F

LOCATED IN UINTAH COUNTY, UTAH
SECTION 33, T10S, R20E, S.L.B.&M.

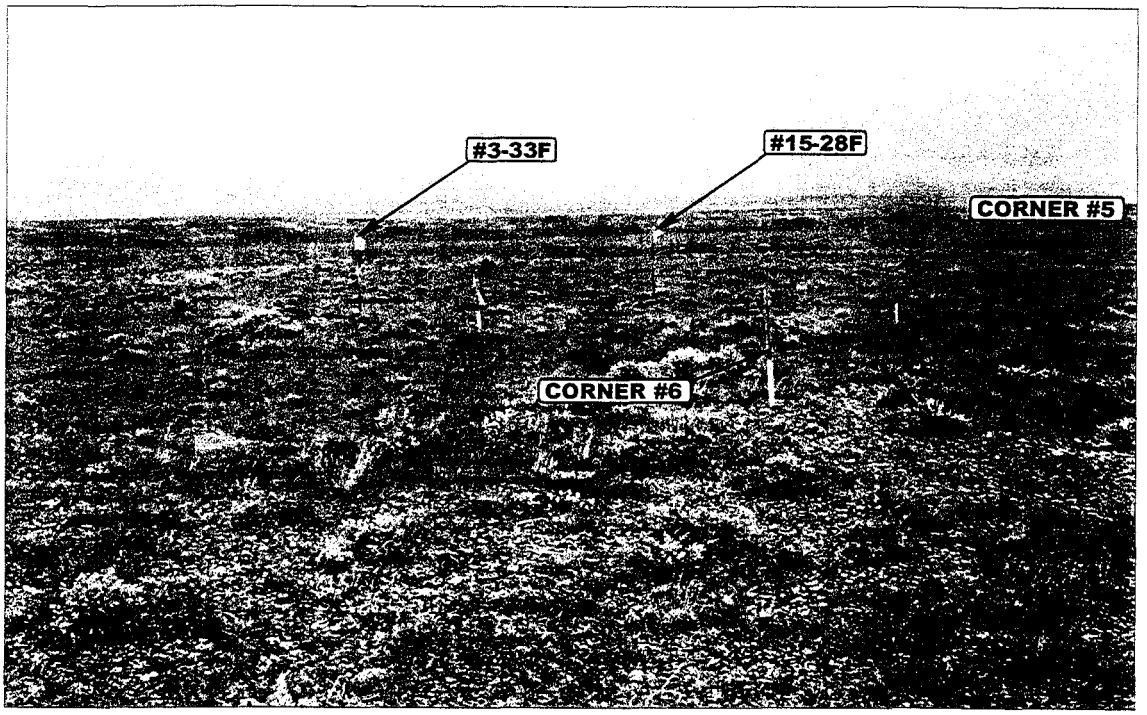


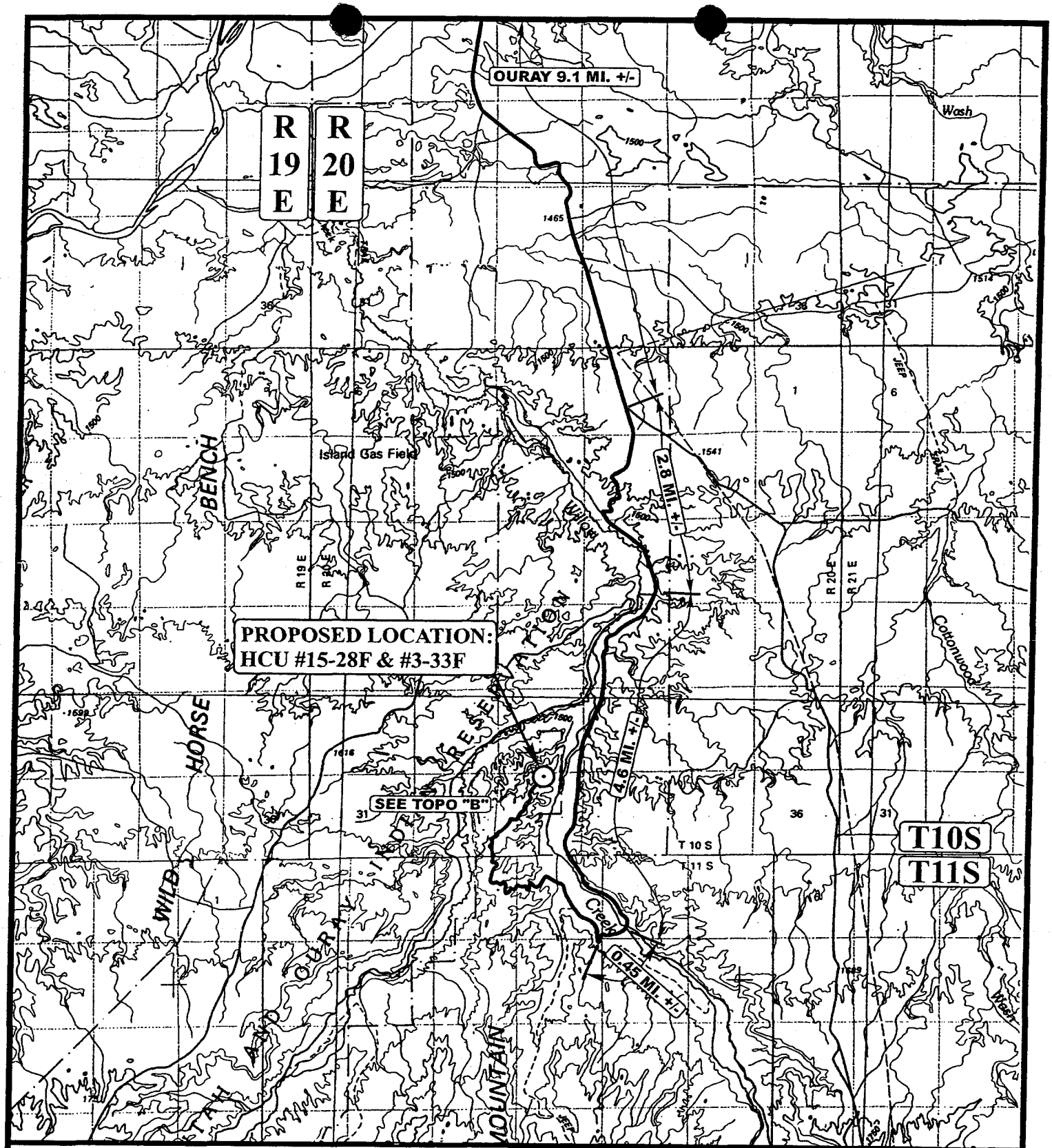
PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES **CAMERA ANGLE: NORTHERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	05 MONTH	12 DAY	05 YEAR	PHOTO
TAKEN BY: B.B.	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

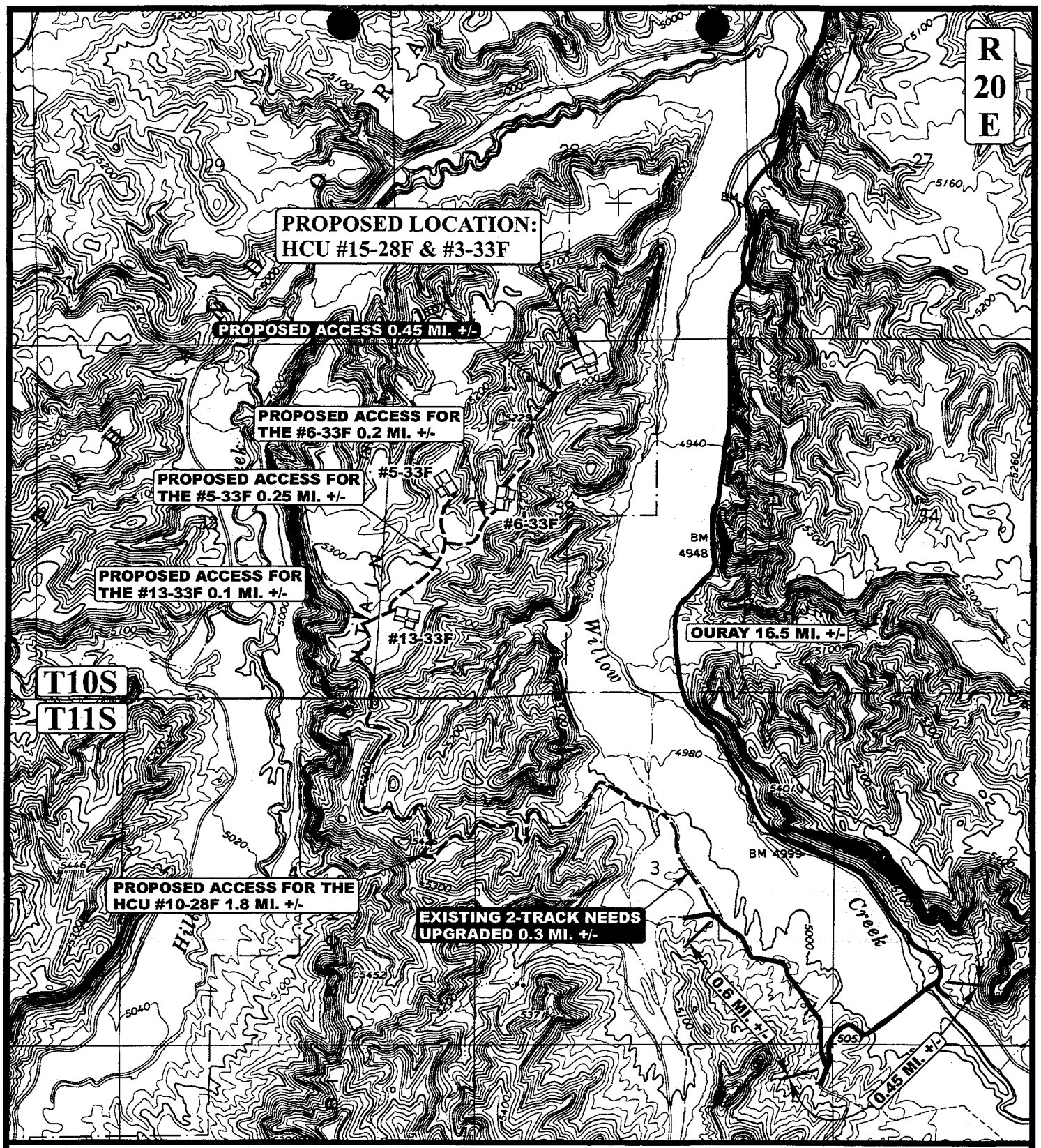
N

DOMINION EXPLR. & PROD., INC.

HCU #15-28F & #3-33F
SECTION 33, T10S, R20E, S.L.B.&M.
NW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	12 DAY	05 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD
PROPOSED ACCESS ROAD
EXISTING 2-TRACK NEEDS UPGRADED

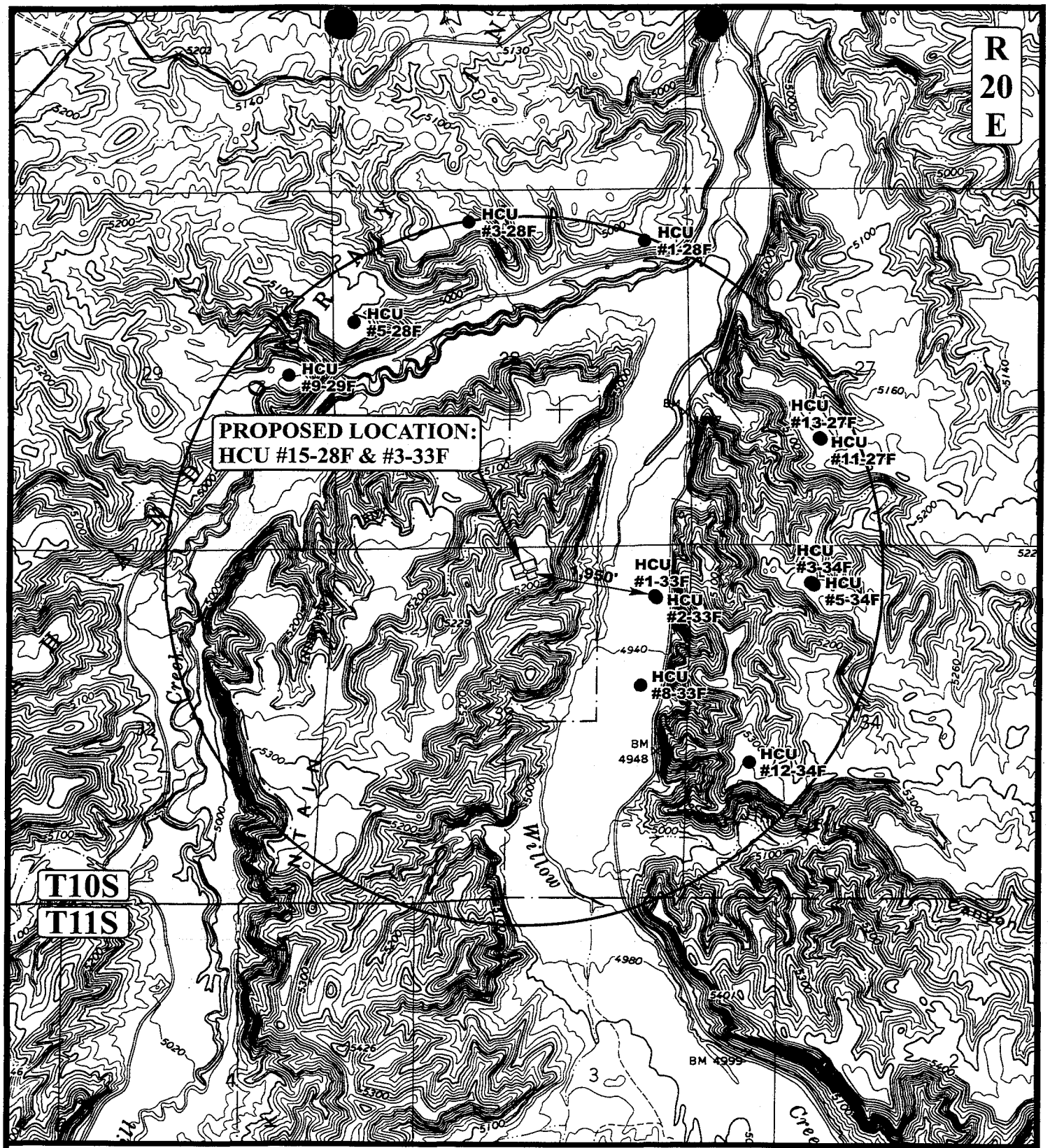
N

DOMINION EXPLR. & PROD., INC.

HCU #15-28F & #3-33F
SECTION 33, T10S, R20E, S.L.B.&M.
NW 1/4 NE 1/4

UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	12 DAY	05 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

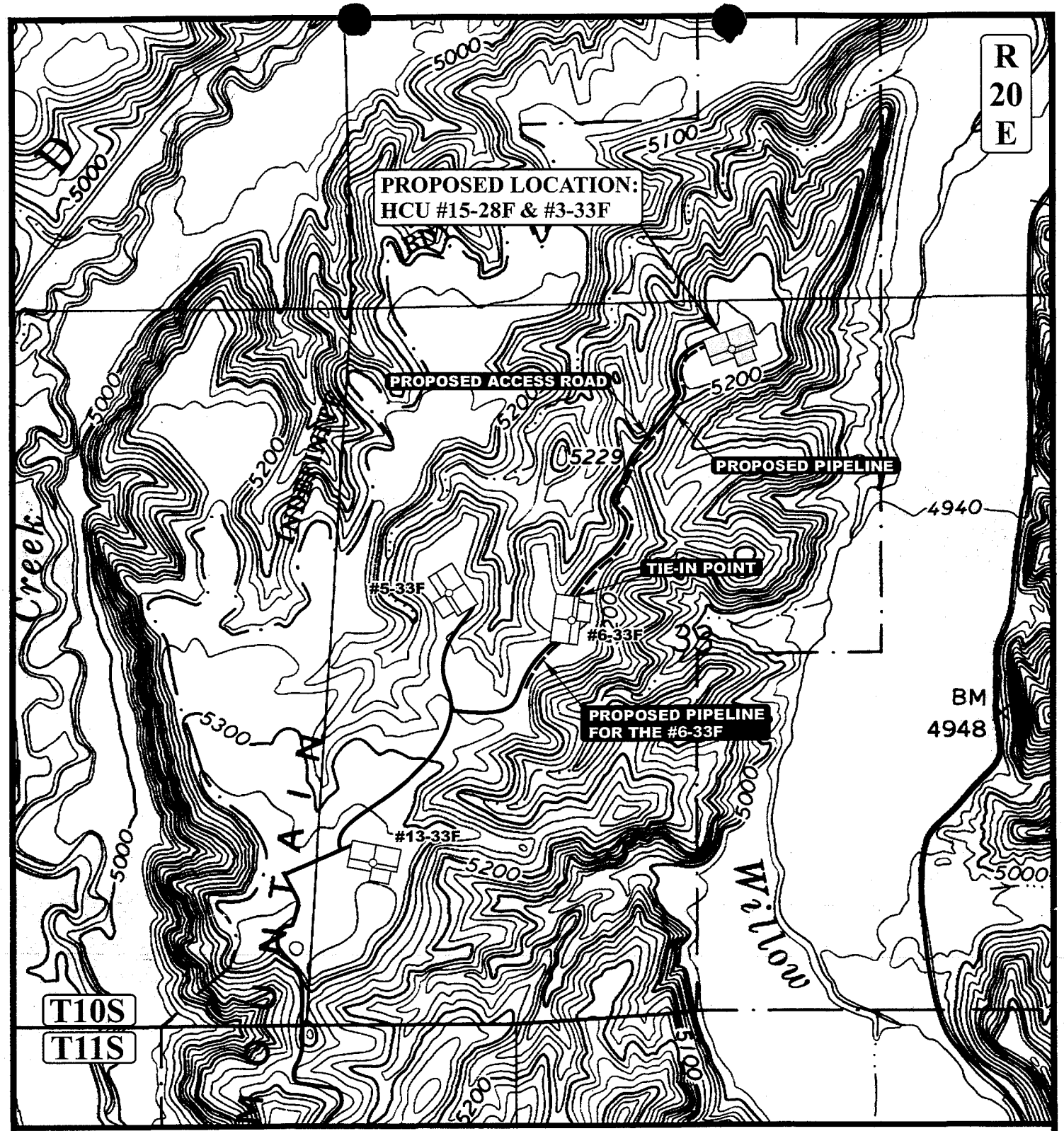
N

DOMINION EXPLR. & PROD., INC.

HCU #15-28F & #3-33F
SECTION 33, T10S, R20E, S.L.B.&M.
NW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	12 DAY	05 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,271 +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

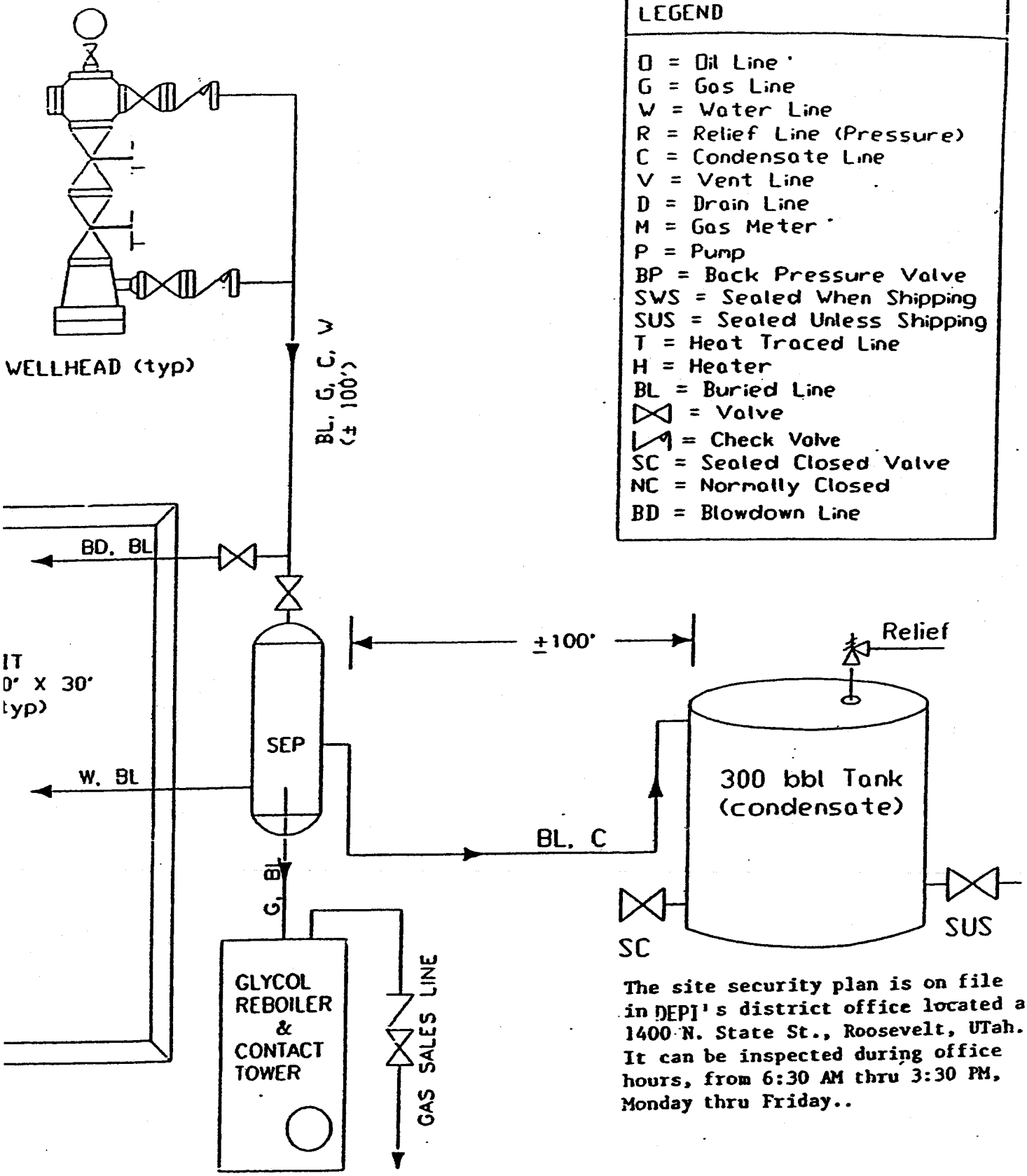
DOMINION EXPLR. & PROD., INC.

HCU #15-28F & #3-33F
SECTION 33, T10S, R20E, S.L.B.&M.
NW 1/4 NE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	12 DAY	05 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 00-00-00		

CONFIDENTIAL

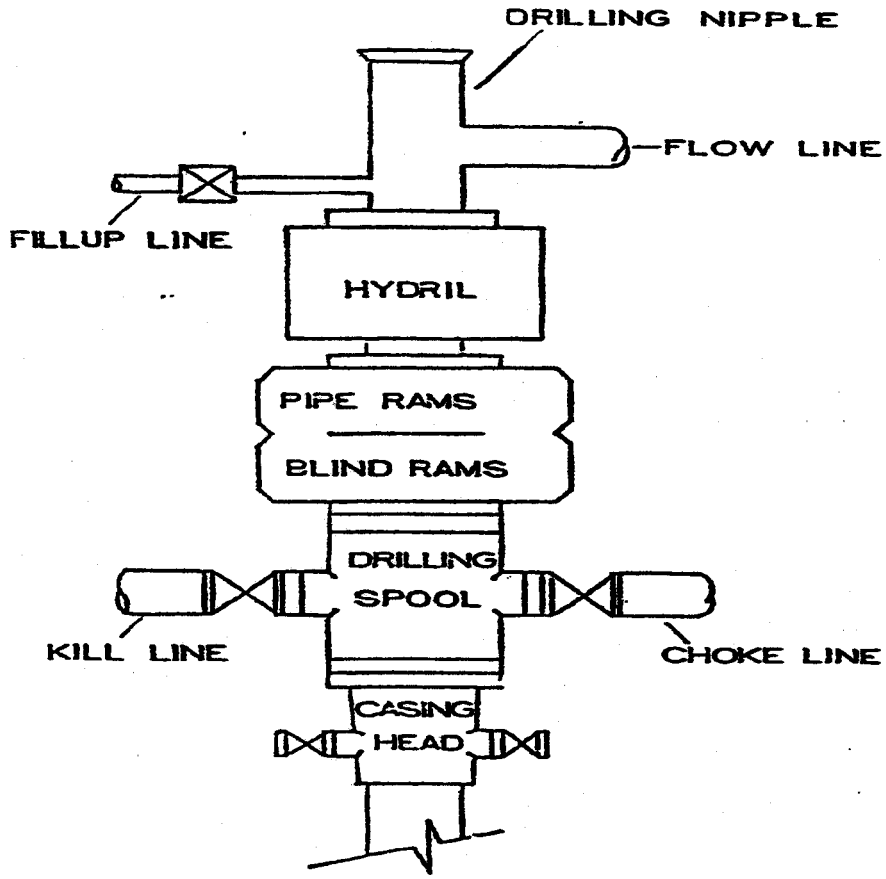


The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, UTah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

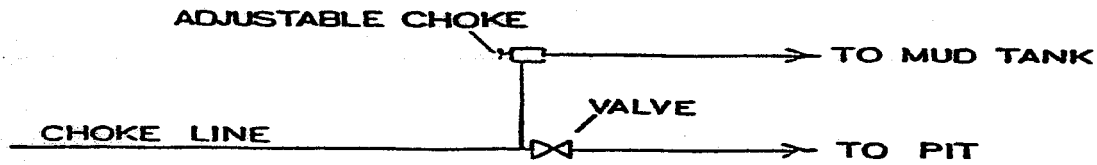
DOMINION EXPLORATION & PRODUCTION, INC.

not to scale

BOP STACK



CHOKE MANIFOLD



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/30/2005

API NO. ASSIGNED: 43-047-37203

WELL NAME: HCU 3-33F

OPERATOR: DOMINION EXPL & PROD (N1095)

CONTACT: DON HAMILTON

PHONE NUMBER: 435-650-1886

PROPOSED LOCATION:

NWNE 33 100S 200E

SURFACE: 0345 FNL 2490 FEL

NENW BOTTOM: 0600 FNL 1850 FWL

UINTAH

NATURAL BUTTES (630)

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-28203

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 39.91009

LONGITUDE: -109.6685

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 76S630500330)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-10447)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit HILL CREEK

___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

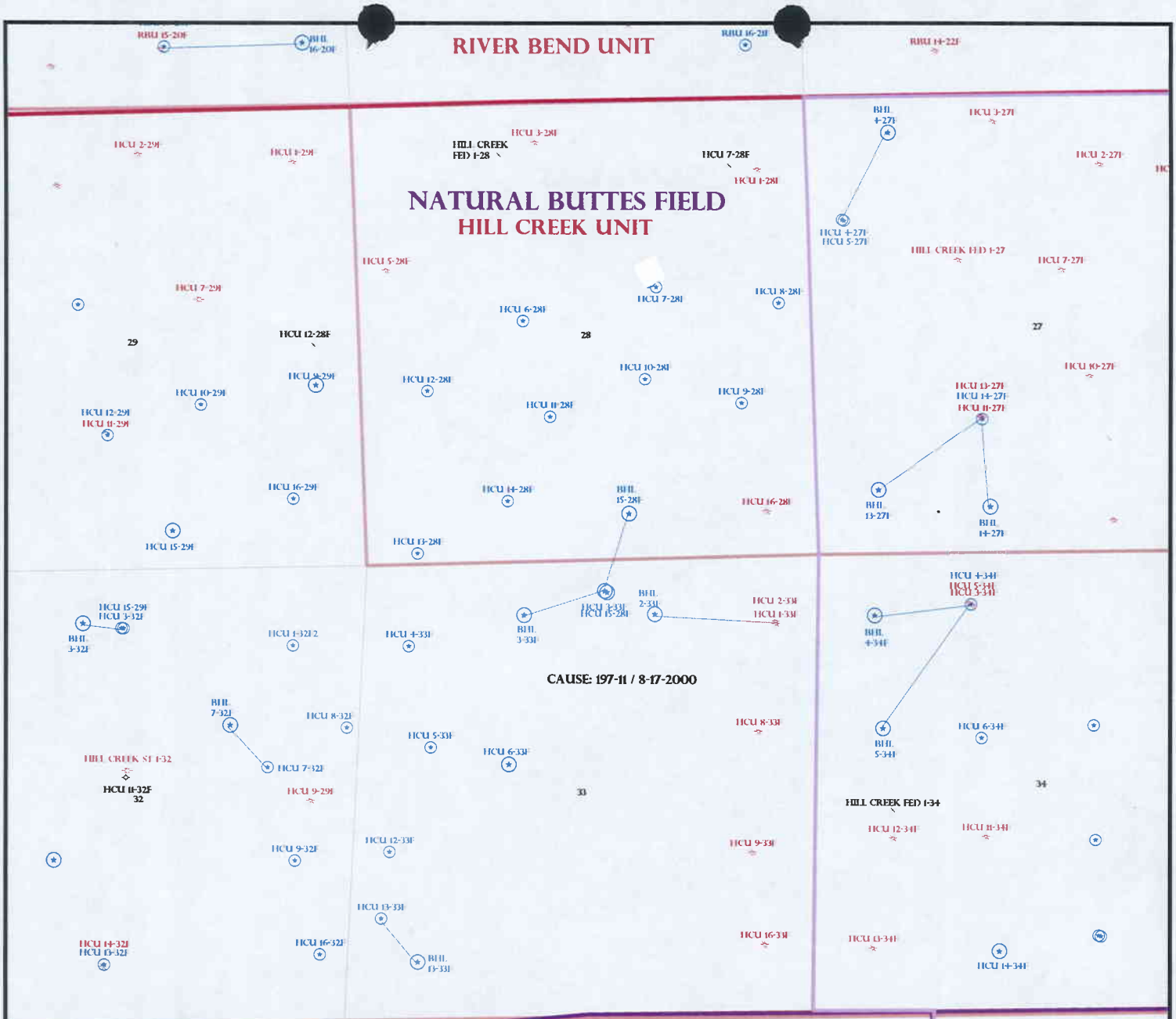
___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 197-11
Eff Date: 8-17-2000
Siting: Suspends General Siting

✓ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS: 1- Federal Approval
2 - OIL SHALE



OPERATOR: DOMINION EXPL & PROD (N1095)

SEC: 33 T. 10S R. 20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 197-11 / 8-17-2000

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N W E S

PREPARED BY: DIANA WHITNEY
DATE: 30-SEPTEMBER-2005

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

October 3, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development Hill Creek Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Hill Creek Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MesaVerde)		
43-047-37202	HCU 6-33F	Sec 33 T10S R20E 2320 FNL 1747 FWL
43-047-37203	HCU 3-33F	Sec 33 T10S R20E 0345 FNL 2490 FEL
	BHL	Sec 33 T10S R20E 0600 FNL 1850 FWL
43-047-37204	HCU 15-28F	Sec 33 T10S R20E 0367 FNL 2466 FEL
	BHL	Sec 28 T10S R20E 0550 FSL 2200 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Hill Creek Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

October 3, 2005

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

Re: Hill Creek Unit 3-33F Well, Surface Location 345' FNL, 2490' FEL, NW NE, Sec. 33, T. 10 South, R. 20 East, Bottom Location 600' FNL, 1850' FWL, NE NW, Sec. 33, T. 10 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37203.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Dominion Exploration & Production, Inc.
Well Name & Number Hill Creek Unit 3-33F
API Number: 43-047-37203
Lease: U-28203

Surface Location: NW NE **Sec.** 33 **T.** 10 South **R.** 20 East
Bottom Location: NE NW **Sec.** 33 **T.** 10 South **R.** 20 East

Conditions of Approval

1. General
   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements
   Notify the Division within 24 hours of spudding the well.
   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.
   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements
   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division

Form 3160-3
(February 2005)

SEP 30 2005

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. **U-28203**

6. If Indian, Allotee or Tribe Name **N/A**

7. If Unit or CA Agreement, Name and No. **Hill Creek Unit**

8. Lease Name and Well No. **HCU 3-33F**

9. API Well No. 43-047-37203

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

2. Name of Operator **Dominion Exploration & Production, Inc.**

3a. Address **14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134**

3b. Phone No. *(include area code)* **405-749-5263**

10. Field and Pool, or Exploratory **Natural Buttes**

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface **345' FNL & 2,490' FEL NW/4 NE/4**
At proposed prod. zone **600' FNL & 1,850' FWL NE/4 NW/4,**

11. Sec., T. R. M. or Blk. and Survey or Area **Section 33, T10S, R20E, SLB&M**

14. Distance in miles and direction from nearest town or post office* **12.32 miles south of Ouray, Utah**

12. County or Parish **Uintah**

13. State **UT**

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) **1,170'**

16. No. of acres in lease **1,880 acres**

17. Spacing Unit dedicated to this well **40 acres**

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **25'**

19. Proposed Depth **8,000'**

20. BLM/BIA Bond No. on file ~~76S 63050 0330~~ WY3322

21. Elevations (Show whether DF, KDB, RT, GL, etc.) **5,216' GR**

22. Approximate date work will start* **03/01/2006**

23. Estimated duration **14 days**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature Don Hamilton — Name *(Printed/Typed)* **Don Hamilton** — Date **09/27/2005**

Title **Agent for Dominion**

Approved by *(Signature)* [signature] — Name *(Printed/Typed)* — Date 02/24/2006

Title Assistant Field Manager Mineral Resources — Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

NOTICE OF APPROVAL

RECEIVED
MAR 13 2006
DIV. OF OIL, GAS & MINING

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

UDOGM

CONFIDENTIAL

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Dominion Expl. & Prod. Inc.**	**Location:**	**NWNE, Sec 33, T10S, R20E**
Well No:	**HCU 3-33F**	**Lease No:**	**UTU-28203**
API No:	**43-047-37203**	**Agreement:**	**Hill Creek WS MV**

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.

NOTIFICATION REQUIREMENTS

Location Construction (Notify Karl Wright)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Karl Wright)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

1. Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

2. If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.

3. Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

4. The following seed mixture shall be used:

Type		lbs./acre
Shadscale	Atriplex confertifolia	3
Fourwing salt bush	Atgriplex canescens	3
Galleta grass	Hilaria jamesil	3
Gardners salt brush	Atriplex gardneri	3
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

5. Other reclamation methods including but not limited to mulching or soil treatments may be required on a site-specific basis.

6. The pits will be lined with 16 ply or greater plastic liners, and padded with the appropriate layers of felt to prevent any punctures of the liner.

7. The entire pad will be bermed, to deter any potential water flows from entering the pad and potentially carrying oil and/or gas products down the mountain into Willow Creek or Hill Creek and ultimately into the Green River.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. Subject well is a directional wellbore. When available, for submitted electronic well logs, include appropriate data for true vertical depths.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.

2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**

4. Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.

   All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.

   BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

   Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

   No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.

6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.

7. Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

   Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

   Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

   In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

   Please submit an electronic copy of all logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

10. Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    a. Operator name, address, and telephone number.

    b. Well name and number.

    c. Well location (¼¼, Sec., Twn, Rng, and P.M.).

    d. Date well was placed in a producing status (date of first production for which royalty will be paid).

    e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    g. Unit agreement and / or participating area name and number, if applicable.

    h. Communitization agreement number, if applicable.

13. Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.

14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production

15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

CONFIDENTIAL

5. Lease Serial No.: U-28203
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.: Hill Creek Unit
8. Well Name and No.: HCU 3-33F
9. API Well No.: 43-047-37203
10. Field and Pool, or Exploratory Area: Natural Buttes
11. County or Parish, State: Uintah, UT

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
2. Name of Operator: Dominion Exploration & Production, Inc.
3a. Address: Suite 600, 14000 Quail Springs Parkway, OKC, OK 73134
3b. Phone No. (include area code): (405) 749-5263
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 345' FNL & 2490' FEL, NW NE Sec. 33-10S-20E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other APD Extension
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

The state APD expires October 3, 2006. Dominion is hereby requesting a one year extension.

Approved by the Utah Division of Oil, Gas and Mining

COPY SENT TO OPERATOR
Date: 10/25/06
Initials: RM

Date: 10-24-06
By: [signature]

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed): Carla Christian
Title: Sr. Regulatory Specialist
Signature: Carla Christian
Date: 10/19/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Title
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
OCT 23 2006
DIV. OF OIL, GAS & MINING

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-37203
Well Name: HCU 3-33F
Location: Section 33-10S-20E, 345' FNL & 2490' FEL
Company Permit Issued to: Dominion Exploration & Production, Inc.
Date Original Permit Issued: 10/3/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☑

Has the approved source of water for drilling changed? Yes☐ No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☑

Is bonding still in place, which covers this proposed well? Yes☑ No☐

Carla Christian
Signature

10/19/2006
Date

Title: Sr. Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

RECEIVED
OCT 23 2006
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **DOMINION EXPL & PROD INC**

Well Name: **HCU 3-33F**

Api No: **43-047-37203** Lease Type: **FEDERAL**

Section **33** Township **10S** Range **20E** County **UINTAH**

Drilling Contractor **BILL JRS** RIG # **6**

SPUDDED:

Date **02/11/07**

Time **6:00 PM**

How **DRY**

Drilling will Commence:

Reported by **PAT WISENER**

Telephone # **(435) 828-1455**

Date **02/12/2007** **Signed** **CHD**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Dominion Exploration & Production, Inc.

Operator Account Number: N 1095

Address: 14000 Quail Springs Parkway, Suite 600
city Oklahoma City
state OK zip 73134

Phone Number: (405) 749-5237

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-37203	HCU 3-33F		NWNE	33	10S	20E	Uintah
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	12829	2/11/2007			2/13/07	

Comments: BHL = NENW MVRD = WSMVD

CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Barbara Lester
Name (Please Print)

Signature

Regulatory Specialist
Title

2/12/2007
Date

RECEIVED
FEB 12 2007
DIV. OF OIL, GAS & MINING

(5/2000)

Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
U-28203

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Hill Creek Unit

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
HCU 3-33F

2. Name of Operator
Dominion Exploration & Production, Inc.

9. API Well No.
43-047-37203

3a. Address
14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134

3b. Phone No. (include area code)
(405) 749-5237

10. Field and Pool, or Exploratory Area
Natural Buttes

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
345' FNL & 2490' FNL, NW NE, Sec. 33-10S-20E

11. County or Parish, State
Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Altering Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Spud Well
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

2/11/07 - Spud Well. Ran 12 jts 13-3/8", 48#, H-40, ST&C csg set @ 524'. Tailed w/500 sks 15.8 ppg, 1.15 yld w/15 bbls to pit. Vernal BLM rep Jake Birchell witnessed.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Barbara Lester

Title Regulatory Specialist

Signature Barbara Lester

Date 2/13/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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FEB 20 2007
DIV. OF OIL, GAS & MINING

FACSIMILE COVER PAGE

To :	**Utah Division of Oil, Gas & Mining**	**From :**	g
Sent :	3/14/2007 at 4:00:30 PM	**Pages :**	2 (including Cover)
Subject :	HCU 3-33F		

CONFIDENTIAL

43-047-37203
33 10s 20e

RECEIVED
MAR 14 2007
DIV. OF OIL, GAS & MINING

Dominion

WELL CHRONOLOGY REPORT

WELL NAME : HCU 3-33F Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 345' FNL 2490' FEL SEC 33 T 10S R 20E

COUNTY & STATE : UINTAH UT CONTRACTOR :

WI % : 100.00 AFE # : 0602665 API # : 43-047-37203 PLAN DEPTH :8,139 SPUD DATE : 02/11/07

DHC : $800,500 CWC : $658,500 AFE TOTAL : $1,459,000 FORMATION : WASATCH/MESAVERDE

EVENT DC: $129,322.00 EVENT CC: $0.00 EVENT TC: $129,322.00 WELL TOTL COST: $129,322

REPORT DATE: 02/13/07 MD : 550 TVD : 550 DAYS : MW : VISC :

DAILY : DC : $129,322.00 CC : $0.00 TC : $129,322.00 CUM : DC: $129,322.00 CC : $0.00 TC : $129,322.00

DAILY DETAILS : MIRU BILL JRS # 6. SPUD WELL ON 2-11-07 @ 6:00 PM. DRILL 550' OF 17.5" HOLE. RUN & SET 12 JT'S OF 13.375", 48#, H-40 CSGN. SET @ 524'/GL CEMENT W/ 500 SKS TAIL MIXED @ 15.8 PPG & 1.15 YLD. W/ 15 BBLS CEMENT TO PIT. VERNAL BLM REP JAKE BIRCHELL WITNESSED.

RECEIVED

MAR 1 4 2007

DIV. OF OIL, GAS & MINING

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Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

RECEIVED
VERNAL FIELD OFFICE
2007 FEB -5 PM 3: 14
DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
U-28203

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Hill Creek Unit

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
HCU 3-33F

2. Name of Operator
Dominion Exploration & Production, Inc.

9. API Well No.
43-047-37203

3a. Address
14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134

3b. Phone No. (include area code)
(405) 749-5237

10. Field and Pool, or Exploratory Area
Natural Buttes

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
345' FNL & 2490' FNL, NW NE, Sec. 33-10S-20E

11. County or Parish, State
Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Altering Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other APD Extension
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

The federal APD for this well expires February 24, 2007. Dominion requests a one year extension

RECEIVED
MAR 19 2007
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) Barbara Lester
Title Regulatory Specialist
Signature Barbara Lester
Date 1/30/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Title Petroleum Engineer
Date FEB 26 2007
Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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UDOGM

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL

Dominion Exploration & Production, Inc.

Notice of Intent
APD Extension

Lease: UTU-28203
Well: HCU 3-33F
Location: NWNE Sec 33-T10S-R20E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 2/24/08.

2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430

FACSIMILE COVER PAGE

To :	**Utah Division of Oil, Gas & Mining**	**From :**	g
Sent :	3/22/2007 at 10:53:08 AM	**Pages :**	2 (including Cover)
Subject :	HCU 3-33F		

CONFIDENTIAL

43-047-37203
33 10S 20E

RECEIVED
MAR 2 2 2007
DIV. OF OIL, GAS & MINING

Dominion

WELL CHRONOLOGY REPORT

WELL NAME : HCU 3-33F Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 345' FNL 2490' FEL SEC 33 T 10S R 20E

COUNTY & STATE : UINTAH UT CONTRACTOR :

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DIV. OF OIL, GAS & MINING

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Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.: U-28203
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.: Hill Creek Unit
8. Well Name and No.: HCU 3-33F
9. API Well No.: 43-047-37203
10. Field and Pool, or Exploratory Area: Natural Buttes
11. County or Parish, State: Uintah, UT

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
2. Name of Operator: Dominion Exploration & Production, Inc.
3a. Address: 14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134
3b. Phone No. (include area code): (405) 749-5237
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 345' FNL & 2490' FNL, NW NE, Sec. 33-10S-20E
BHL: 600' FNL & 1850' FWL, NE NW, Sec. 33-10S-20E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report	[ ] Altering Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[X] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

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Dominion requests to change the directional drilling plan slightly. The intermediate casing will now be set at 3600'. Please find attached new directional and drilling plans.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed): Barbara Lester — Title: Regulatory Specialist
Signature: Barbara Lester — Date: 3/23/2007

Approved by — Title — Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office

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MAR 2 3 2007
DIV. OF OIL, GAS & MINING

DIRECTIONAL DRILLING PLAN

APPROVAL OF OPERATIONS

Attachment for Permit to Drill

Name of Operator:	Dominion Exploration & Production
Address:	14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134
Well Location:	HCU 3-33F SHL: 345' FNL & 2490' FEL, Sec. 33-10S-20E BHL: 600' FNL & 1850' FWL, Sec. 33-10S-20E Uintah County, UT

1. GEOLOGIC SURFACE FORMATION — Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

Formation	Depth (MD)
Wasatch Tongue	4,063'
Uteland Limestone	4,383'
Wasatch	4,533'
Chapita Wells	5,488'
Uteland Buttes	6,543'
Mesaverde	7,343'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

Formation	Depth (MD)	Type
Wasatch Tongue	4,063'	Oil
Uteland Limestone	4,383'	Oil
Wasatch	4,533'	Gas
Chapita Wells	5,488'	Gas
Uteland Buttes	6,543'	Gas
Mesaverde	7,343'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	Size	Weight	Grade	Conn.	Top	Bottom (MD)	Hole
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-½"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,600'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,000'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.
Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.
Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

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DRILLING PLAN

APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set.. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

6. MUD SYSTEMS
   - An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
   - KCL mud system will be used to drill well.
   - The mud system will be monitored manually/visually.

Depths (MD)	Mud Weight (ppg)	Mud System
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,600'	8.6	Fresh water, rotating head and diverter
3,600' –8,000'	8.6	Fresh water/2% KCL/KCL mud system

7. BLOOIE LINE
   - An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
   - A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
   - "Target tee" connections will be a minimum of 50' from wellhead.
   - The blooie line discharge will be a minimum of 80' from the wellhead.

8. AUXILIARY EQUIPMENT TO BE USED
   a. Kelly cock.
   b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED
   - A drillstem test in the Wasatch Tongue is possible.
   - One electric line wire-log will be run from total depth to intermediate casing.
   - The gamma ray will be left on to record from total depth to intermediate casing.
   - Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
   - A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED
    - Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
    - No abnormal temperature or pressures are anticipated.
    - The formations to be penetrated do not contain known H2S gas.

11. WATER SUPPLY
    - No water pipelines will be laid for this well.
    - No water well will be drilled for this well.
    - Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
    - Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

RECEIVED
MAR 2 3 2007
DIV. OF OIL, GAS & MINING

DRILLING PLAN

APPROVAL OF OPERATIONS

12. CEMENT SYSTEMS

a. Surface Cement:

- Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "G" cement with 2% $CaCl_2$ and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,600' (MD) ±, run and cement 9-5/8".
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval (MD)	Density	Yield	Hole Volume	Cement Volume
Lead	439	0'–3,100'	10.5 ppg	4.14 CFS	1008 CF	1,765 CF
Tail	254	3,100'–3,600'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 4.14 cf/sack Slurry weight: 10.5 #/gal.
Water requirement: 26.07 gal/sack
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.
Slurry yield: 1.20 cf/sack Slurry weight: 15.6 #/gal.
Pump Time: 1 hr. 5 min. @ 110 °F.
Compressives @ 110 °F: 2,500 psi after 24 hours

c. Production Casing Cement:

- Drill 7-7/8" hole to 8,000' (MD) ±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval (MD)	Density	Yield	Hole Volume	Cement Volume
Lead	90	3,263'–4,063'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	780	4,063'–8,000'	13.0 ppg	1.75 CFS	682 CF	1364 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.
Water requirement: 17.71 gal/sack
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.
Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.
Water requirement: 9.09 gal/sack
Compressives @ 165°F: 905 psi after 24 hours

13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: July 23, 2007
Duration: 14 Days

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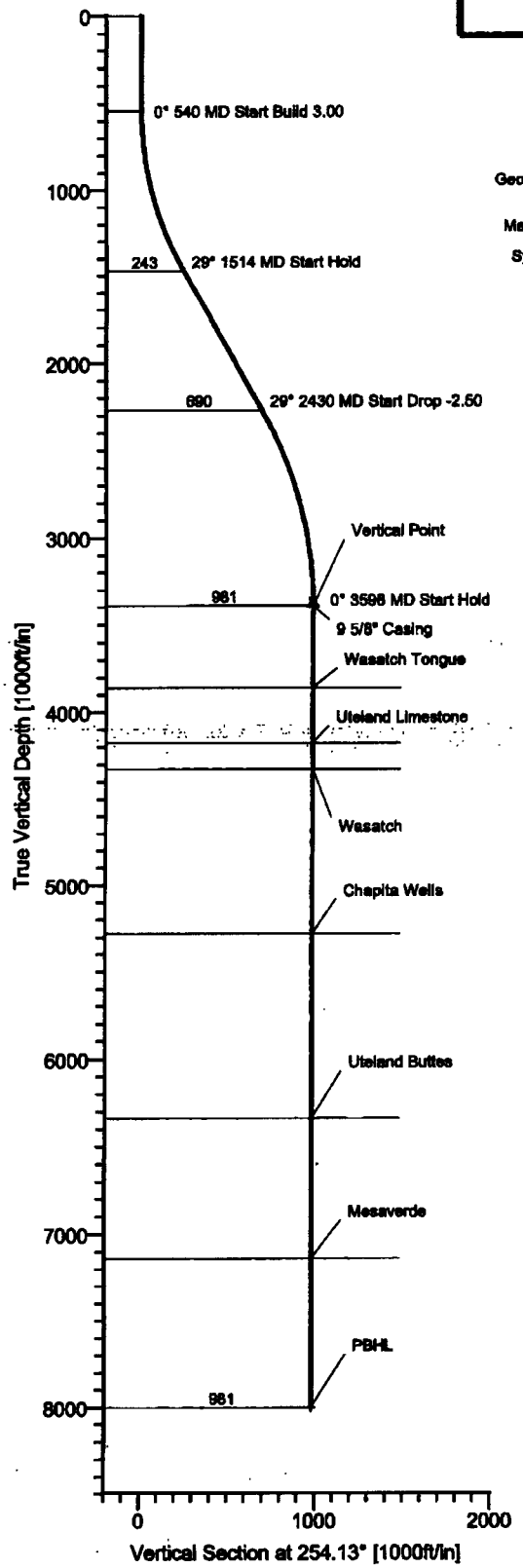
Dominion

Dominion Exploration & Production

Field: Uintah County, Utah
Site: HCU # 3-33F
Well: HCU 3-33F
Wellpath: Original Hole
Plan: Plan #3

Azimuths to True North
Magnetic North: 11.67°

Magnetic Field
Strength: 52738nT
Dip Angle: 65.87°
Date: 3/22/2007
Model: igrf2005



FIELD DETAILS

Uintah County, Utah
Utah - Natural Buttes
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

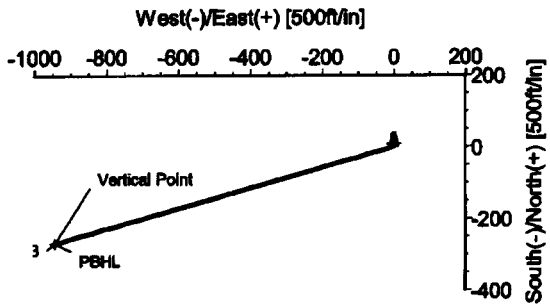
System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

HCU # 3-33F
Sec 33, T10S, R20E
Uintah Co, Utah

Site Centre Latitude: 39°54'36.380N
Longitude: 109°40'09.100W

Ground Level: 5215.00
Positional Uncertainty: 0.00
Convergence: 1.17



WELLPATH DETAILS

Original Hole

Rig: Frontier 2
Ref. Datum: Est RKB 5235.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
254.13°	0.00	0.00	0.00

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
HCU 3-33F	0.00	0.00	7141249.77	2153929.56	39°54'36.380N	109°40'09.100W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3390.00	-268.40	-943.94	Point
PBHL	8000.00	-268.40	-943.94	Point

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3855.00	4063.09	Wasatch Tongue
2	4175.00	4383.09	Uteland Limestone
3	4325.00	4633.09	Wasatch
4	5280.00	5488.09	Chapita Wells
5	6335.00	6543.09	Uteland Buttes
6	7135.00	7343.09	Mesaverde

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	254.13	540.00	0.00	0.00	0.00	0.00	0.00	
3	1513.73	29.21	254.13	1472.09	-66.43	-233.63	3.00	254.13	242.89	
4	2429.61	29.21	254.13	2271.49	-188.68	-663.58	0.00	0.00	689.88	
5	3598.09	0.00	254.13	3390.00	-268.40	-943.94	2.50	180.00	981.38	Vertical Point
6	8208.09	0.00	254.13	8000.00	-268.40	-943.94	0.00	254.13	981.38	PBHL

Ryan Energy Technologies
19510 Oil Center Blvd
Houston, TX 77073
Ph: 281-443-1414
Fx: 281-443-1676

Ryan

Plan: Plan #3 (HCU 3-33F/Original Hole)
Created By: Alexis Gonzalez Date: 3/23/2007
Checked: _____ Date: _____
_____ Date: _____
_____ Date: _____

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Dominion

Ryan Energy Technologies
Planning Report

Ryan

Company:	Dominion Exploration & Product	Date:	3/22/2007	Time:	16:50:36
Field:	Uintah County, Utah	Co-ordinate(NE) Reference:	Well: HCU 3-33F, True North	Page:	1
Site:	HCU # 3-33F	Vertical (TVD) Reference:	Est RKB 5235.0		
Well:	HCU 3-33F	Section (VS) Reference:	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	Plan:	Plan #3		

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System:	US State Plane Coordinate System 1983	Map Zone:	Utah, Central Zone
Geo Datum:	GRS 1980	Coordinate System:	Well Centre
Sys Datum:	Mean Sea Level	Geomagnetic Model:	igrf2005

Site: HCU # 3-33F
Sec 33, T10S, R20E
Uintah Co, Utah

Site Position:		Northing:	7141249.77 ft	Latitude:	39 54 36.380 N
From:	Geographic	Easting:	2153929.56 ft	Longitude:	109 40 9.100 W
Position Uncertainty:	0.00 ft			North Reference:	True
Ground Level:	5215.00 ft			Grid Convergence:	1.17 deg

Well: HCU 3-33F — Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	7141249.77 ft	Latitude:	39 54 36.380 N
	+E/-W	0.00 ft	Easting :	2153929.56 ft	Longitude:	109 40 9.100 W
Position Uncertainty:		0.00 ft				

Wellpath: Original Hole

Current Datum:	Est RKB	Height 5235.00 ft	
Magnetic Data:	3/22/2007		
Field Strength:	52736 nT		
Drilled From:	Surface		
Tie-on Depth:	0.00 ft		
Above System Datum:	Mean Sea Level		
Declination:	11.67 deg		
Mag Dip Angle:	65.87 deg		

Vertical Section:	Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
	0.00	0.00	0.00	254.13

Plan: Plan #3 — Date Composed: 3/22/2007
Version: 1
Principal: Yes — Tied-to: From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
540.00	0.00	254.13	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
1513.73	29.21	254.13	1472.09	-66.43	-233.63	3.00	3.00	0.00	254.13	
2429.61	29.21	254.13	2271.49	-188.68	-663.58	0.00	0.00	0.00	0.00	
3598.09	0.00	254.13	3390.00	-268.40	-943.94	2.50	-2.50	0.00	180.00	Vertical Point
8208.09	0.00	254.13	8000.00	-268.40	-943.94	0.00	0.00	0.00	254.13	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
540.00	0.00	254.13	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	254.13	599.99	-0.26	-0.91	0.94	3.00	3.00	0.00	
700.00	4.80	254.13	699.81	-1.83	-6.44	6.70	3.00	3.00	0.00	
800.00	7.80	254.13	799.20	-4.83	-17.00	17.67	3.00	3.00	0.00	
900.00	10.80	254.13	897.87	-9.25	-32.54	33.83	3.00	3.00	0.00	
1000.00	13.80	254.13	995.57	-15.08	-53.03	55.13	3.00	3.00	0.00	
1100.00	16.80	254.13	1092.01	-22.29	-78.41	81.51	3.00	3.00	0.00	
1200.00	19.80	254.13	1186.94	-30.88	-108.60	112.91	3.00	3.00	0.00	
1300.00	22.80	254.13	1280.10	-40.81	-143.54	149.23	3.00	3.00	0.00	
1400.00	25.80	254.13	1371.23	-52.07	-183.12	190.38	3.00	3.00	0.00	
1500.00	28.80	254.13	1460.08	-64.61	-227.23	236.24	3.00	3.00	0.00	
1513.73	29.21	254.13	1472.09	-66.43	-233.63	242.89	3.00	3.00	0.00	
1600.00	29.21	254.13	1547.39	-77.95	-274.13	285.00	0.00	0.00	0.00	
1700.00	29.21	254.13	1634.67	-91.29	-321.07	333.80	0.00	0.00	0.00	
1800.00	29.21	254.13	1721.95	-104.64	-368.02	382.61	0.00	0.00	0.00	

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Dominion

Ryan Energy Technologies
Planning Report

Ryan

Company:	Dominion Exploration & Product	Date:	3/22/2007	Time: 16:50:36	Page: 2
Field:	Uintah County, Utah	Co-ordinate(NE) Reference:	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	Vertical (TVD) Reference:	Est RKB 5235.0		
Well:	HCU 3-33F	Section (VS) Reference:	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	Plan:	Plan #3		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1900.00	29.21	254.13	1809.23	-117.99	-414.96	431.41	0.00	0.00	0.00	
2000.00	29.21	254.13	1896.52	-131.34	-461.90	480.21	0.00	0.00	0.00	
2100.00	29.21	254.13	1983.80	-144.69	-508.85	529.02	0.00	0.00	0.00	
2200.00	29.21	254.13	2071.08	-158.03	-555.79	577.82	0.00	0.00	0.00	
2300.00	29.21	254.13	2158.36	-171.38	-602.73	626.63	0.00	0.00	0.00	
2400.00	29.21	254.13	2245.64	-184.73	-649.68	675.43	0.00	0.00	0.00	
2429.61	29.21	254.13	2271.49	-188.68	-663.58	689.88	0.00	0.00	0.00	
2500.00	27.45	254.13	2333.44	-197.82	-695.71	723.29	2.50	-2.50	0.00	
2600.00	24.95	254.13	2423.16	-209.89	-738.18	767.44	2.50	-2.50	0.00	
2700.00	22.45	254.13	2514.72	-220.89	-776.84	807.63	2.50	-2.50	0.00	
2800.00	19.95	254.13	2607.94	-230.78	-811.62	843.79	2.50	-2.50	0.00	
2900.00	17.45	254.13	2702.65	-239.55	-842.46	875.86	2.50	-2.50	0.00	
3000.00	14.95	254.13	2798.68	-247.18	-869.30	903.76	2.50	-2.50	0.00	
3100.00	12.45	254.13	2895.82	-253.65	-892.08	927.44	2.50	-2.50	0.00	
3200.00	9.95	254.13	2993.91	-258.97	-910.77	946.87	2.50	-2.50	0.00	
3300.00	7.45	254.13	3092.75	-263.11	-925.32	962.00	2.50	-2.50	0.00	
3400.00	4.95	254.13	3192.16	-266.06	-935.71	972.80	2.50	-2.50	0.00	
3500.00	2.45	254.13	3291.94	-267.83	-941.92	979.26	2.50	-2.50	0.00	
3598.09	0.00	254.13	3390.00	-268.40	-943.94	981.36	2.50	-2.50	0.00	Vertical Point
3600.00	0.00	254.13	3391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	9 5/8" Casing
3700.00	0.00	254.13	3491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
3800.00	0.00	254.13	3591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
3900.00	0.00	254.13	3691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4000.00	0.00	254.13	3791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4063.09	0.00	254.13	3855.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Wasatch Tongue
4100.00	0.00	254.13	3891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4200.00	0.00	254.13	3991.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4300.00	0.00	254.13	4091.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4383.09	0.00	254.13	4175.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Uteland Limestone
4400.00	0.00	254.13	4191.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4500.00	0.00	254.13	4291.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4533.09	0.00	254.13	4325.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Wasatch
4600.00	0.00	254.13	4391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4700.00	0.00	254.13	4491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4800.00	0.00	254.13	4591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4900.00	0.00	254.13	4691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5000.00	0.00	254.13	4791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5100.00	0.00	254.13	4891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5200.00	0.00	254.13	4991.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5300.00	0.00	254.13	5091.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5400.00	0.00	254.13	5191.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5488.09	0.00	254.13	5280.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Chapita Wells
5500.00	0.00	254.13	5291.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5600.00	0.00	254.13	5391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5700.00	0.00	254.13	5491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5800.00	0.00	254.13	5591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5900.00	0.00	254.13	5691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6000.00	0.00	254.13	5791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6100.00	0.00	254.13	5891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6200.00	0.00	254.13	5991.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6300.00	0.00	254.13	6091.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6400.00	0.00	254.13	6191.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6500.00	0.00	254.13	6291.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6543.09	0.00	254.13	6335.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Uteland Buttes

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Dominion

Ryan Energy Technologies
Planning Report

Ryan

Company:	Dominion Exploration & Product	Date:	3/22/2007	Time:	16:50:36	Page: 3
Field:	Uintah County, Utah	Co-ordinate(NE) Reference:	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	Vertical (TVD) Reference:	Est RKB 5235.0		
Well:	HCU 3-33F	Section (VS) Reference:	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	Plan:	Plan #3		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6600.00	0.00	254.13	6391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6700.00	0.00	254.13	6491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6800.00	0.00	254.13	6591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6900.00	0.00	254.13	6691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7000.00	0.00	254.13	6791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7100.00	0.00	254.13	6891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7200.00	0.00	254.13	6991.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7300.00	0.00	254.13	7091.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7343.09	0.00	254.13	7135.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Mesaverde
7400.00	0.00	254.13	7191.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7500.00	0.00	254.13	7291.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7600.00	0.00	254.13	7391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7700.00	0.00	254.13	7491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7800.00	0.00	254.13	7591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7900.00	0.00	254.13	7691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
8000.00	0.00	254.13	7791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
8100.00	0.00	254.13	7891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
8208.09	0.00	254.13	8000.00	-268.40	-943.94	981.36	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg	Min	Sec	<— Longitude —> Deg	Min	Sec
Vertical Point -Plan hit target			3390.00	-268.40	-943.94	7140962.11	2152991.32	39	54	33.727 N	109	40	21.215 W
PBHL -Plan hit target			8000.00	-268.40	-943.94	7140962.11	2152991.32	39	54	33.727 N	109	40	21.215 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3600.00	3391.91	0.000	0.000	9 5/8" Casing

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4063.09	3855.00	Wasatch Tongue		0.00	0.00
4383.09	4175.00	Uteland Limestone		0.00	0.00
4533.09	4325.00	Wasatch		0.00	0.00
5488.09	5280.00	Chapita Wells		0.00	0.00
6543.09	6335.00	Uteland Buttes		0.00	0.00
7343.09	7135.00	Mesaverde		0.00	0.00

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Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.: U-28203
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.: Hill Creek Unit
8. Well Name and No.: HCU 3-33F
9. API Well No.: 43-047-37203
10. Field and Pool, or Exploratory Area: Natural Buttes
11. County or Parish, State: Uintah, UT

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
2. Name of Operator: Dominion Exploration & Production, Inc.
3a. Address: 14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134
3b. Phone No. (include area code): (405) 749-5237
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 345' FNL & 2490' FNL, NW NE, Sec. 33-10S-20E
BHL: 600' FNL & 1850' FWL, NE NW, Sec. 33-10S-20E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[X] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Dominion requests to change the directional drilling plan slightly. The intermediate casing will now be set at 3600'. Please find attached new directional and drilling plans.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed): Barbara Lester — Title: Regulatory Specialist
Signature: Barbara Lester — Date: 3/23/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by — Title — Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
MAR 2 6 2007
DIV. OF OIL, GAS & MINING

DIRECTIONAL DRILLING PLAN

APPROVAL OF OPERATIONS

Attachment for Permit to Drill

Name of Operator:	Dominion Exploration & Production
Address:	14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134
Well Location:	HCU 3-33F SHL: 345' FNL & 2490' FEL, Sec. 33-10S-20E BHL: 600' FNL & 1850' FWL, Sec. 33-10S-20E Uintah County, UT

1. GEOLOGIC SURFACE FORMATION — Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

Formation	Depth (MD)
Wasatch Tongue	4,063'
Uteland Limestone	4,383'
Wasatch	4,533'
Chapita Wells	5,488'
Uteland Buttes	6,543'
Mesaverde	7,343'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL, GAS OR MINERALS

Formation	Depth (MD)	Type
Wasatch Tongue	4,063'	Oil
Uteland Limestone	4,383'	Oil
Wasatch	4,533'	Gas
Chapita Wells	5,488'	Gas
Uteland Buttes	6,543'	Gas
Mesaverde	7,343'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	Size	Weight	Grade	Conn.	Top	Bottom (MD)	Hole
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-½"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,600'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,000'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

DRILLING PLAN

APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set.. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

6. MUD SYSTEMS
   - An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
   - KCL mud system will be used to drill well.
   - The mud system will be monitored manually/visually.

Depths (MD)	Mud Weight (ppg)	Mud System
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,600'	8.6	Fresh water, rotating head and diverter
3,600' –8,000'	8.6	Fresh water/2% KCL/KCL mud system

7. BLOOIE LINE
   - An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
   - A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
   - "Target tee" connections will be a minimum of 50' from wellhead.
   - The blooie line discharge will be a minimum of 80' from the wellhead.

8. AUXILIARY EQUIPMENT TO BE USED
   a. Kelly cock.
   b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED
   - A drillstem test in the Wasatch Tongue is possible.
   - One electric line wire-log will be run from total depth to intermediate casing.
   - The gamma ray will be left on to record from total depth to intermediate casing.
   - Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
   - A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED
    - Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
    - No abnormal temperature or pressures are anticipated.
    - The formations to be penetrated do not contain known H2S gas.

11. WATER SUPPLY
    - No water pipelines will be laid for this well.
    - No water well will be drilled for this well.
    - Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
    - Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

DRILLING PLAN

APPROVAL OF OPERATIONS

12. CEMENT SYSTEMS

a. Surface Cement:

- Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "G" cement with 2% $CaCl_2$ and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,600' (MD) ±, run and cement 9-5/8".
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval (MD)	Density	Yield	Hole Volume	Cement Volume
Lead	439	0'–3,100'	10.5 ppg	4.14 CFS	1008 CF	1,765 CF
Tail	254	3,100'–3,600'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 4.14 cf/sack Slurry weight: 10.5 #/gal.
Water requirement: 26.07 gal/sack
Compressives @ 110^{0}F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.
Slurry yield: 1.20 cf/sack Slurry weight: 15.6 #/gal.
Pump Time: 1 hr. 5 min. @ 110 ^{0}F.
Compressives @ 110 ^{0}F: 2,500 psi after 24 hours

c. Production Casing Cement:

- Drill 7-7/8" hole to 8,000' (MD) ±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval (MD)	Density	Yield	Hole Volume	Cement Volume
Lead	90	3,263'–4,063'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	780	4,063'–8,000'	13.0 ppg	1.75 CFS	682 CF	1364 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.
Water requirement: 17.71 gal/sack
Compressives @ 130^{0}F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.
Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.
Water requirement: 9.09 gal/sack
Compressives @ 165^{0}F: 905 psi after 24 hours

13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

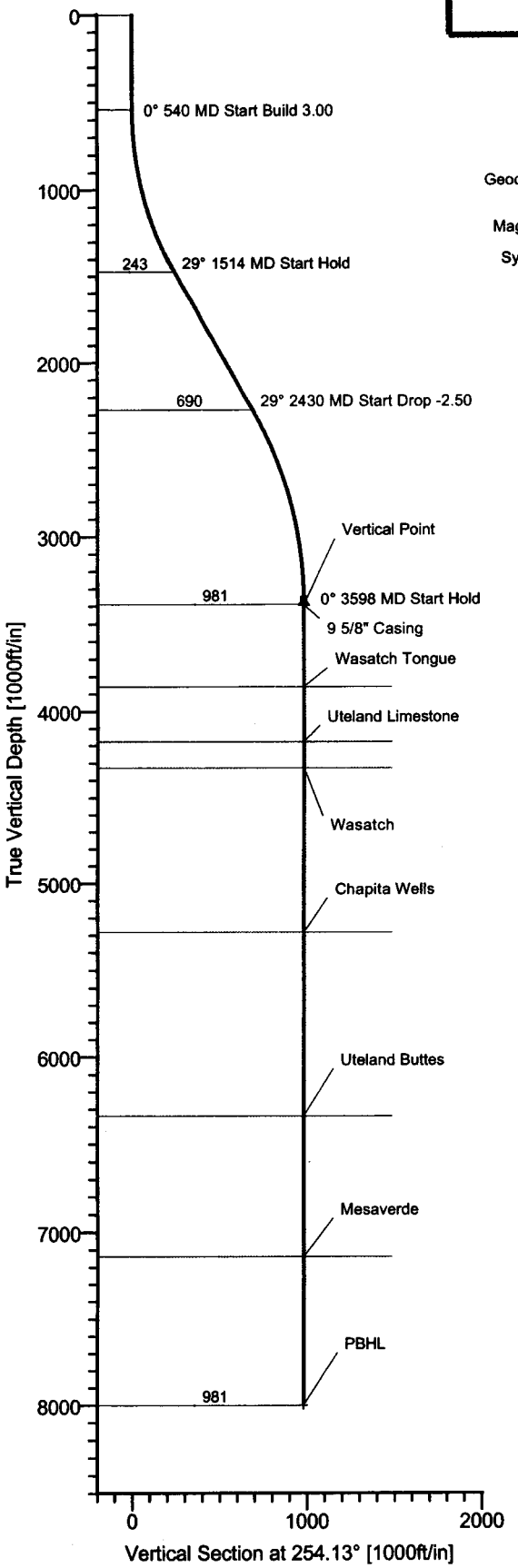
Starting Date: July 23, 2007
Duration: 14 Days

Dominion Exploration & Production

Field: Uintah County, Utah
Site: HCU # 3-33F
Well: HCU 3-33F
Wellpath: Original Hole
Plan: Plan #3

Azimuths to True North
Magnetic North: 11.67°

Magnetic Field
Strength: 52736nT
Dip Angle: 65.87°
Date: 3/22/2007
Model: igrf2005



FIELD DETAILS

Uintah County, Utah
Utah - Natural Buttes
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

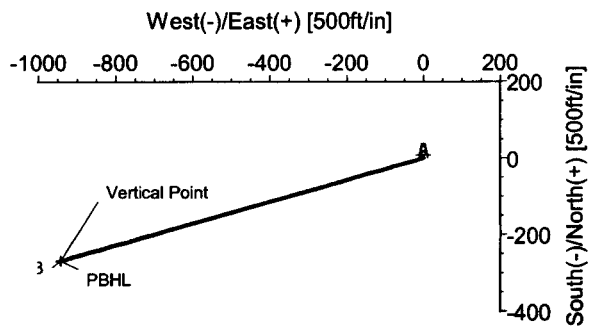
System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

HCU # 3-33F
Sec 33, T10S, R20E
Uintah Co, Utah

Site Centre Latitude: 39°54'36.380N
Longitude: 109°40'09.100W

Ground Level: 5215.00
Positional Uncertainty: 0.00
Convergence: 1.17



WELLPATH DETAILS

Original Hole

Rig: Frontier 2
Ref. Datum: Est RKB 5235.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
254.13°	0.00	0.00	0.00

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
HCU 3-33F	0.00	0.00	7141249.77	2153929.56	39°54'36.380N	109°40'09.100W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3390.00	-268.40	-943.94	Point
PBHL	8000.00	-268.40	-943.94	Point

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3855.00	4063.09	Wasatch Tongue
2	4175.00	4383.09	Uteland Limestone
3	4325.00	4533.09	Wasatch
4	5280.00	5488.09	Chapita Wells
5	6335.00	6543.09	Uteland Buttes
6	7135.00	7343.09	Mesaverde

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	254.13	540.00	0.00	0.00	0.00	0.00	0.00	
3	1513.73	29.21	254.13	1472.09	-66.43	-233.63	3.00	254.13	242.89	
4	2429.61	29.21	254.13	2271.49	-188.68	-663.58	0.00	0.00	689.88	
5	3598.09	0.00	254.13	3390.00	-268.40	-943.94	2.50	180.00	981.36	Vertical Point
6	8208.09	0.00	254.13	8000.00	-268.40	-943.94	0.00	254.13	981.36	PBHL

Ryan Energy Technologies
19510 Oil Center Blvd
Houston, TX 77073
Ph: 281-443-1414
Fx: 281-443-1676

Plan: Plan #3 (HCU 3-33F/Original Hole)
Created By: Alexis Gonzalez Date: 3/22/2007
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

Ryan Energy Technologies
Planning Report

Company:	Dominion Exploration & Product	**Date:** 3/22/2007	**Time:** 16:50:36	**Page:**	1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #3		

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System: US State Plane Coordinate System 1983 — **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: HCU # 3-33F
Sec 33, T10S, R20E
Uintah Co, Utah

Site Position:		**Northing:**	7141249.77 ft	**Latitude:**	39 54 36.380 N
From:	Geographic	**Easting:**	2153929.56 ft	**Longitude:**	109 40 9.100 W
Position Uncertainty:	0.00 ft			**North Reference:**	True
Ground Level:	5215.00 ft			**Grid Convergence:**	1.17 deg

Well: HCU 3-33F — **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	7141249.77 ft	**Latitude:**	39 54 36.380 N
	+E/-W	0.00 ft	**Easting :**	2153929.56 ft	**Longitude:**	109 40 9.100 W
Position Uncertainty:		0.00 ft				

Wellpath: Original Hole — **Drilled From:** Surface
Tie-on Depth: 0.00 ft

Current Datum:	Est RKB	**Height** 5235.00 ft	**Above System Datum:** Mean Sea Level
Magnetic Data:	3/22/2007		**Declination:** 11.67 deg
Field Strength:	52736 nT		**Mag Dip Angle:** 65.87 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	254.13

Plan: Plan #3 — **Date Composed:** 3/22/2007
Version: 1
Principal: Yes — **Tied-to:** From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
540.00	0.00	254.13	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
1513.73	29.21	254.13	1472.09	-66.43	-233.63	3.00	3.00	0.00	254.13	
2429.61	29.21	254.13	2271.49	-188.68	-663.58	0.00	0.00	0.00	0.00	
3598.09	0.00	254.13	3390.00	-268.40	-943.94	2.50	-2.50	0.00	180.00	Vertical Point
8208.09	0.00	254.13	8000.00	-268.40	-943.94	0.00	0.00	0.00	254.13	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
540.00	0.00	254.13	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	254.13	599.99	-0.26	-0.91	0.94	3.00	3.00	0.00	
700.00	4.80	254.13	699.81	-1.83	-6.44	6.70	3.00	3.00	0.00	
800.00	7.80	254.13	799.20	-4.83	-17.00	17.67	3.00	3.00	0.00	
900.00	10.80	254.13	897.87	-9.25	-32.54	33.83	3.00	3.00	0.00	
1000.00	13.80	254.13	995.57	-15.08	-53.03	55.13	3.00	3.00	0.00	
1100.00	16.80	254.13	1092.01	-22.29	-78.41	81.51	3.00	3.00	0.00	
1200.00	19.80	254.13	1186.94	-30.88	-108.60	112.91	3.00	3.00	0.00	
1300.00	22.80	254.13	1280.10	-40.81	-143.54	149.23	3.00	3.00	0.00	
1400.00	25.80	254.13	1371.23	-52.07	-183.12	190.38	3.00	3.00	0.00	
1500.00	28.80	254.13	1460.08	-64.61	-227.23	236.24	3.00	3.00	0.00	
1513.73	29.21	254.13	1472.09	-66.43	-233.63	242.89	3.00	3.00	0.00	
1600.00	29.21	254.13	1547.39	-77.95	-274.13	285.00	0.00	0.00	0.00	
1700.00	29.21	254.13	1634.67	-91.29	-321.07	333.80	0.00	0.00	0.00	
1800.00	29.21	254.13	1721.95	-104.64	-368.02	382.61	0.00	0.00	0.00	

Ryan Energy Technologies
Planning Report

Company:	Dominion Exploration & Product	**Date:** 3/22/2007	**Time:** 16:50:36	**Page:**	2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #3		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1900.00	29.21	254.13	1809.23	-117.99	-414.96	431.41	0.00	0.00	0.00	
2000.00	29.21	254.13	1896.52	-131.34	-461.90	480.21	0.00	0.00	0.00	
2100.00	29.21	254.13	1983.80	-144.69	-508.85	529.02	0.00	0.00	0.00	
2200.00	29.21	254.13	2071.08	-158.03	-555.79	577.82	0.00	0.00	0.00	
2300.00	29.21	254.13	2158.36	-171.38	-602.73	626.63	0.00	0.00	0.00	
2400.00	29.21	254.13	2245.64	-184.73	-649.68	675.43	0.00	0.00	0.00	
2429.61	29.21	254.13	2271.49	-188.68	-663.58	689.88	0.00	0.00	0.00	
2500.00	27.45	254.13	2333.44	-197.82	-695.71	723.29	2.50	-2.50	0.00	
2600.00	24.95	254.13	2423.16	-209.89	-738.18	767.44	2.50	-2.50	0.00	
2700.00	22.45	254.13	2514.72	-220.89	-776.84	807.63	2.50	-2.50	0.00	
2800.00	19.95	254.13	2607.94	-230.78	-811.62	843.79	2.50	-2.50	0.00	
2900.00	17.45	254.13	2702.65	-239.55	-842.46	875.86	2.50	-2.50	0.00	
3000.00	14.95	254.13	2798.68	-247.18	-869.30	903.76	2.50	-2.50	0.00	
3100.00	12.45	254.13	2895.82	-253.65	-892.08	927.44	2.50	-2.50	0.00	
3200.00	9.95	254.13	2993.91	-258.97	-910.77	946.87	2.50	-2.50	0.00	
3300.00	7.45	254.13	3092.75	-263.11	-925.32	962.00	2.50	-2.50	0.00	
3400.00	4.95	254.13	3192.16	-266.06	-935.71	972.80	2.50	-2.50	0.00	
3500.00	2.45	254.13	3291.94	-267.83	-941.92	979.26	2.50	-2.50	0.00	
3598.09	0.00	254.13	3390.00	-268.40	-943.94	981.36	2.50	-2.50	0.00	Vertical Point
3600.00	0.00	254.13	3391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	9 5/8" Casing
3700.00	0.00	254.13	3491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
3800.00	0.00	254.13	3591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
3900.00	0.00	254.13	3691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4000.00	0.00	254.13	3791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4063.09	0.00	254.13	3855.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Wasatch Tongue
4100.00	0.00	254.13	3891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4200.00	0.00	254.13	3991.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4300.00	0.00	254.13	4091.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4383.09	0.00	254.13	4175.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Uteland Limestone
4400.00	0.00	254.13	4191.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4500.00	0.00	254.13	4291.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4533.09	0.00	254.13	4325.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Wasatch
4600.00	0.00	254.13	4391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4700.00	0.00	254.13	4491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4800.00	0.00	254.13	4591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
4900.00	0.00	254.13	4691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5000.00	0.00	254.13	4791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5100.00	0.00	254.13	4891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5200.00	0.00	254.13	4991.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5300.00	0.00	254.13	5091.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5400.00	0.00	254.13	5191.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5488.09	0.00	254.13	5280.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Chapita Wells
5500.00	0.00	254.13	5291.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5600.00	0.00	254.13	5391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5700.00	0.00	254.13	5491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5800.00	0.00	254.13	5591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
5900.00	0.00	254.13	5691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6000.00	0.00	254.13	5791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6100.00	0.00	254.13	5891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6200.00	0.00	254.13	5991.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6300.00	0.00	254.13	6091.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6400.00	0.00	254.13	6191.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6500.00	0.00	254.13	6291.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6543.09	0.00	254.13	6335.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Uteland Buttes

Company:	Dominion Exploration & Product	**Date:** 3/22/2007	**Time:** 16:50:36	**Page:**	3
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #3		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6600.00	0.00	254.13	6391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6700.00	0.00	254.13	6491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6800.00	0.00	254.13	6591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
6900.00	0.00	254.13	6691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7000.00	0.00	254.13	6791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7100.00	0.00	254.13	6891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7200.00	0.00	254.13	6991.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7300.00	0.00	254.13	7091.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7343.09	0.00	254.13	7135.00	-268.40	-943.94	981.36	0.00	0.00	0.00	Mesaverde
7400.00	0.00	254.13	7191.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7500.00	0.00	254.13	7291.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7600.00	0.00	254.13	7391.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7700.00	0.00	254.13	7491.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7800.00	0.00	254.13	7591.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
7900.00	0.00	254.13	7691.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
8000.00	0.00	254.13	7791.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
8100.00	0.00	254.13	7891.91	-268.40	-943.94	981.36	0.00	0.00	0.00	
8208.09	0.00	254.13	8000.00	-268.40	-943.94	981.36	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
Vertical Point -Plan hit target			3390.00	-268.40	-943.94	7140962.1	12152991.32	39 54 33.727 N	109 40 21.215 W
PBHL -Plan hit target			8000.00	-268.40	-943.94	7140962.1	12152991.32	39 54 33.727 N	109 40 21.215 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3600.00	3391.91	0.000	0.000	9 5/8" Casing

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4063.09	3855.00	Wasatch Tongue		0.00	0.00
4383.09	4175.00	Uteland Limestone		0.00	0.00
4533.09	4325.00	Wasatch		0.00	0.00
5488.09	5280.00	Chapita Wells		0.00	0.00
6543.09	6335.00	Uteland Buttes		0.00	0.00
7343.09	7135.00	Mesaverde		0.00	0.00

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DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: [illegible]0	Rpt No.: 1	DOL: 1	DFS: 1	Report Date: 3/27/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2					
Event: DRILL	Start Date: 8/20/2006	Spud Dt.: 2/11/2007		Type: DEVELOPMENT	
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665			
Active Datum: <unnamed> @ft	Ground Elev.: 5,216.01			Authorized MD/TVD: 8,000 /	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
-4,666.01	-4,666.02	0.0(ft)			13.375(in)	-4,694.0(ft)	-4,694.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
			9.625(in)	-1,834.0(ft)	-2,034.0(ft)

Daily Detail: MIRU

Well Costs ($)	AFE	Actual
Daily Cost		26,600.00
Cumulative Total	1,459,000.00	155,922.00

Well: HCU 3-33F	API: 4304737203 00	Rpt No.: 2	DOL: 2	DFS: 2	Report Date: 3/28/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2					
Event: DRILL	Start Date: 8/20/2006	Spud Dt.: 2/11/2007		Type: DEVELOPMENT	
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665			
Active Datum: <unnamed> @ft	Ground Elev.: 5,216.01			Authorized MD/TVD: 8,000 /	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
-4,495.01	-4,495.03	171.0(ft)		8.90(ppg)	13.375(in)	-4,694.0(ft)	-4,694.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
			9.625(in)	-1,834.0(ft)	-2,034.0(ft)

Daily Detail: REPAIR RIG (MUD PUMP)
PU BHA , DIREC TOOLS AND DP
DRLG CEMENT FLT AND SHOE
DIREC DRLG F/ 568 TO 709
FIX SUCTION VALVE ON #2 PUMP
DIREC DRLG F/ 709 TO 739

Well Costs ($)	AFE	Actual
Daily Cost		64,550.00
Cumulative Total	1,459,000.00	220,472.00

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To :	**Utah Division of Oil, Gas & Mining**	**From :**	g
Sent :	4/11/2007 at 9:55:54 AM	**Pages :**	4 (including Cover)
Subject :	HCU 3-33F T10S R 20E S-33 43-047-37203		

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DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 430473720300	Rpt No.: 10	DOL: 10	DFS: 10	Report Date: 4/6/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 8/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
6,886.00	6,697.86	1,434.0(ft)		8.70(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: drlg f/ 5452 to 6886
rig service
survey @6068 1.3 deg
drlg f/ 6149 to 6212
drlg f/ 6212 to 6886

Well Costs ($)	AFE	Actual
Daily Cost		36,205.00
Cumulative Total	1,459,000.00	593,009.67

Well: HCU 3-33F	API: 430473720300	Rpt No.: 11	DOL: 11	DFS: 11	Report Date: 4/6/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 8/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,050.00	7,861.34	1,164.0(ft)		8.70(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: DRLG F/ 6886 TO 7162
SURVEY @ 7081 1.27 DEG
DRLG F/ 7162 TO 7321
RIG SERVICE
DRLG F/ 7321 TO 8050

Well Costs ($)	AFE	Actual
Daily Cost		37,380.00
Cumulative Total	1,459,000.00	630,389.67

Well: HCU 3-33F	API: 430473720300	Rpt No.: 12	DOL: 12	DFS: 12	Report Date: 4/7/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 8/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,240.00	8,051.27	190.0(ft)		9.20(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: DRLG F/ 8050 TO 8240
CIRC
TOOH F/ LOGS
LOGGING TO 8246
TIH
CIRC
LD DP

Well Costs ($)	AFE	Actual
Daily Cost		60,243.00
Cumulative Total	1,459,000.00	690,632.67

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DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 4304737203 00	Rpt No.: 13	DOL: 13	DFS: 13	Report Date: 4/8/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,240.00	8,051.27	0.0(ft)		9.20(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: LD BHA
RU CSG CREW AND RUN 193 JTS and 2 10' markers OF 5 1/2 CSG TO 8215'
CEMENT CSG
ND BOPE AND CLEAn PITS
RIG DOWN

Well Costs ($)	AFE	Actual
Daily Cost		162,331.90
Cumulative Total	1,459,000.00	852,964.57

Well: HCU 3-33F	API: 4304737203 00	Rpt No.: 2	DOL: 2	DFS: 2	Report Date: 3/28/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
739.00	738.62	171.0(ft)		8.90(ppg)	13-3/8(")	540.0(ft)	540.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			9-5/8(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: REPAIR RIG (MUD PUMP)
PU BHA , DIREC TOOLS AND DP
DRLG CEMENT FLT AND SHOE
DIREC DRLG F/ 568 TO 709
FIX SUCTION VALVE ON #2 PUMP
DIREC DRLG F/ 709 TO 739

Well Costs ($)	AFE	Actual
Daily Cost		64,550.00
Cumulative Total	1,459,000.00	220,472.00

Well: HCU 3-33F	API: 4304737203 00	Rpt No.: 3	DOL: 3	DFS: 3	Report Date: 3/29/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
2,000.00	1,911.82	1,261.0(ft)		9.00(ppg)	13-3/8(")	540.0(ft)	540.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			9-5/8(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: direc drlg f/739 to 1050
rig service
direc drlg f/ 1050 to 2000

Well Costs ($)	AFE	Actual
Daily Cost		38,305.00
Cumulative Total	1,459,000.00	258,777.00

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DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 4304737200300	Rpt No.: 4	DOL: 4	DFS: 4	Report Date: 3/30/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
2,191.00	2,084.18	191.0(ft)		9.00(ppg)	13-3/8(")	540.0(ft)	540.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			9-5/8(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
DIREC DRLG F/ 2000 TO 2050
WORK ON #1 PUMP
TOOH , MOTOR TWISTED OFF AT DRIVE SUB
WAIT ON FISHING TOOLS
PU OVERSHOT AND TIH
LATCH ON TO FISH
TOOH W/ FISH
LD FISHING TOOLS AND FISH
PU NEW MOTOR AND MWD TIH AND REAM 120' TO BTM
DIREC DRLG F/ 2050 TO 2191

Well Costs ($)	AFE	Actual
Daily Cost		47,374.75
Cumulative Total	1,459,000.00	308,151.75

Well: HCU 3-33F	API: 4304737200300	Rpt No.: 5	DOL: 5	DFS: 5	Report Date: 3/31/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
2,846.00	2,678.18	655.0(ft)		9.30(ppg)	13-3/8(")	540.0(ft)	540.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			9-5/8(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
DIREC DRLG F/ 2191 TO 2445
RIG SERVICE
DIREC DRLG F/ 2446 TO 2587
WORK ON PUMP
DIREC DRLG F/ 2587 TO 2846
TOOH F/ BIT

Well Costs ($)	AFE	Actual
Daily Cost		38,805.00
Cumulative Total	1,459,000.00	342,956.75

Well: HCU 3-33F	API: 4304737200300	Rpt No.: 6	DOL: 6	DFS: 6	Report Date: 4/1/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
3,301.00	3,116.60	455.0(ft)		9.50(ppg)	13-3/8(")	540.0(ft)	540.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			9-5/8(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
TOOH CHG BIT TIH
DIREC DRLG F/2846 TO 3301

Well Costs ($)	AFE	Actual
Daily Cost		62,065.00
Cumulative Total	1,459,000.00	405,021.75

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DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 4304737200	Rpt No.: 7	DOL: 7	DFS: 7	Report Date: 4/2/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
3,611.00	3,425.33	310.0(ft)		9.50(ppg)	13-3/8(")	540.0(ft)	540.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			9-5/8(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
DIREC DRLG F/ 3301 TO 3611
CIRC AND COND
TOOH LD 8" TOOLS
RUN 80 JTS OF 9 5/8 CSG HANG AND CEMENT
CEMENT CSG
ND DIVERTER

Well Costs ($)	AFE	Actual
Daily Cost		93,382.92
Cumulative Total	1,459,000.00	488,404.67

Well: HCU 3-33F	API: 4304737200	Rpt No.: 8	DOL: 8	DFS: 8	Report Date: 4/3/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
3,868.00	3,681.90	257.0(ft)			5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
ND DIVERTER
NU BOPE
TEST BOPE FAILED TEST DO TO PLUG NOT BEING SEALED IN FLANGE
WAIT ON WELLHEAD TO BRING OUT PLUG
TEST BOPE
PU BHA AND TIH
DRLG OUT CEMENT FLT AND SHOE
DRLG F/ 3611 TO 3868, FIT TEST TO 150PSI

Well Costs ($)	AFE	Actual
Daily Cost		34,200.00
Cumulative Total	1,459,000.00	522,604.67

Well: HCU 3-33F	API: 4304737200	Rpt No.: 9	DOL: 9	DFS: 9	Report Date: 4/4/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
5,452.00	5,264.50	1,584.0(ft)		8.70(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
DRLG F/ 3868 TO 4075
WORK TIGHT SPOT , HOLE NOT CLEAN AND CHG FORMATION
DRLG F/ 4075 TO 4185
SURVEY @ 4105 3.6 DEG
DRLG F/ 4185 TO 4532
DRLG F/ 4532 TO 5167
SURVEY @ 5105 2.60
DRLG F/ 5187 TO 5452

Well Costs ($)	AFE	Actual
Daily Cost		34,200.00
Cumulative Total	1,459,000.00	556,804.67

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FACSIMILE COVER PAGE

To :	**Utah Division of Oil, Gas & Mining**	**From :**	g
Sent :	4/18/2007 at 4:22:50 PM	**Pages :**	3 (including Cover)
Subject :	HCU 3-33F T10S R20E S-33 43-047-37203		

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DIV. OF OIL, GAS & MINING

DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 4304737203 00	Rpt No.: 10	DOL: 10	DFS: 10	Report Date: 4/6/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007		Type: DEVELOPMENT	
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665		Authorized Days:	
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%		Authorized MD/TVD: 13,234	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
6,886.00	6,897.86	1,434.0(ft)		8.70(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
drlg f/ 5452 to 6886
rig service
survey @6068 1.3 deg
drlg f/ 6149 to 6212
drlg f/ 6212 to 6886

Well Costs ($)	AFE	Actual
Daily Cost		36,205.00
Cumulative Total	1,459,000.00	593,009.67

Well: HCU 3-33F	API: 4304737203 00	Rpt No.: 11	DOL: 11	DFS: 11	Report Date: 4/6/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007		Type: DEVELOPMENT	
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665		Authorized Days:	
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%		Authorized MD/TVD: 13,234	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,050.00	7,861.34	1,164.0(ft)		8.70(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
DRLG F/ 6886 TO 7162
SURVEY @ 7081 1.27 DEG
DRLG F/ 7162 TO 7321
RIG SERVICE
DRLG F/ 7321 TO 8050

Well Costs ($)	AFE	Actual
Daily Cost		37,380.00
Cumulative Total	1,459,000.00	630,389.67

Well: HCU 3-33F	API: 4304737203 00	Rpt No.: 12	DOL: 12	DFS: 12	Report Date: 4/7/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007		Type: DEVELOPMENT	
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665		Authorized Days:	
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%		Authorized MD/TVD: 13,234	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,240.00	8,051.27	190.0(ft)		9.20(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:
DRLG F/ 8050 TO 8240
CIRC
TOOH F/ LOGS
LOGGING TO 8246
TIH
CIRC
LD DP

Well Costs ($)	AFE	Actual
Daily Cost		60,243.00
Cumulative Total	1,459,000.00	690,632.67

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DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 430473720300	Rpt No.: 13	DOL: 13	DFS: 13	Report Date: 4/8/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name: FRONTIER 2		Final Surface Location:			
Event: DRILL	Start Date: 6/20/2006	Spud Dt.: 2/11/2007	Type: DEVELOPMENT		
Supervisor: JIM MILLER	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,240.00	8,051.27	0.0(ft)		9.20(ppg)	5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: LD BHA
RU CSG CREW AND RUN 193 JTS and 2 10' markers OF 5 1/2 CSG TO 8215'
CEMENT CSG
ND BOPE AND CLEAn PITS
RIG DOWN

Well Costs ($)	AFE	Actual
Daily Cost		162,331.90
Cumulative Total	1,459,000.00	852,984.57

Well: HCU 3-33F	API: 430473720300	Rpt No.: 1	DOL:	DFS:	Report Date: 4/14/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION		
Supervisor: JOE DUNCAN	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: MIRU SCHLUMBERGER WIRELINE, RUN CMT BOND LOG FROM W.L. PBTD @ 8132' KB TO 2500' KB, FOUND CMT TOP @ 2700' KB. POOH W/ CBL TOOLS, AND PRESSURE TEST CSG TO 5000#, HELD GOOD. RIH AND PERFORATE STG #1. SEE DETAILS ON SUB SCREEN.

Well Costs ($)	AFE	Actual
Daily Cost		15,350.00
Cumulative Total	1,459,000.00	41,050.00

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Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
U-28203

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Hill Creek Unit

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
HCU 3-33F

2. Name of Operator
Dominion Exploration & Production, Inc.

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9. API Well No.
43-047-37203

3a. Address
14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134

3b. Phone No. (include area code)
(405) 749-5237

10. Field and Pool, or Exploratory Area
Natural Buttes

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 345' FNL & 2490' FNL, NW NE, Sec. 33-10S-20E
BHL: 600' FNL & 1850' FWL, NE NW, Sec. 33-10S-20E

11. County or Parish, State
Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Altering Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

4/1/07 - Ran 80 jts 9-5/8", 36#, J-55, STC csg set @ 3583'. Cmt lead w/176 sks, HiFill V, 10.5 ppg, 4.14 yld. Tail w/385 sks Class G, 15.6 ppg, 1.15 yld.
4/7/07 - Ran 193 jts 5-1/2", 17#, M-80, STC csg set @ 8215'. Cmt lead w/125 sks HiFill V, 11.6 ppg, 3.12 yld. Tail w/595 sks Class G, 13.0 ppg, 1.15 yld. Clean pits. Rig down.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) Barbara Lester — Title Regulatory Specialist
Signature Barbara Lester — Date 4/16/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by — Title — Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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To :	**Utah Division of Oil, Gas & Mining**	**From :**	g
Sent :	4/26/2007 at 3:04:22 PM	**Pages :**	5 (including Cover)
Subject :	HCU 3-33F T10S R20E S-33 43-047-37203		

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DIV. OF OIL, GAS & M

DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 430473720300	Rpt No.: 4	DOL:	DFS:	Report Date: 4/19/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION		
Supervisor: JOE DUNCAN	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

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CURRENT DEPTH MD(ft)	TVD(ft)	24 Hr. Progress	HOLE SIZE	MUD WEIGHT	LAST CASING SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING SIZE	MD	TVD
WASATCH			0(")	3,500.1(ft)	3,300.0(ft)
MESAVERDE					

Daily Detail: FLOW REPORT OPEN WELL UP CSG TO PIT ON 12/64 CHOKE FCP 4000# TOTAL FRAC FLUID PUMPED 2460 BBLS.

Well Costs ($)	AFE	Actual
Daily Cost		15,350.00
Cumulative Total	1,459,000.00	243,800.00

Well: HCU 3-33F	API: 430473720300	Rpt No.: 5	DOL:	DFS:	Report Date: 4/20/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION		
Supervisor: JOE DUNCAN	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH MD(ft)	TVD(ft)	24 Hr. Progress	HOLE SIZE	MUD WEIGHT	LAST CASING SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING SIZE	MD	TVD
WASATCH			0(")	3,500.1(ft)	3,300.0(ft)
MESAVERDE					

Daily Detail: WELL FLOWING UP CSG TO PIT ON 12/64, FCP 1075#, RECOVERED 900 BBLS FRAC FLUID CHANGED TO 18/64 CHOKE AND LEFT TO PIT.

Well Costs ($)	AFE	Actual
Daily Cost		15,350.00
Cumulative Total	1,459,000.00	259,150.00

Well: HCU 3-33F	API: 430473720300	Rpt No.: 6	DOL:	DFS:	Report Date: 4/21/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION		
Supervisor: JOE DUNCAN	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH MD(ft)	TVD(ft)	24 Hr. Progress	HOLE SIZE	MUD WEIGHT	LAST CASING SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING SIZE	MD	TVD
WASATCH			0(")	3,500.1(ft)	3,300.0(ft)
MESAVERDE					

Daily Detail: WELL FLOWING TO PIT UP CSG. ON 18/64 CHOKE, FCP 850#, RECOVERED 900 BBLS FRAC FLUID LEFT WELL THE SAME.

Well Costs ($)	AFE	Actual
Daily Cost		15,350.00
Cumulative Total	1,459,000.00	274,500.00

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DIV. OF OIL, GAS & MINING

DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 430473720300	Rpt No.: 7	DOL:	DFS:	Report Date: 4/22/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007		Type: COMPLETION	
Supervisor: JOE DUNCAN	Engineer: RICHARD HOWELL	AFE No.: 0602665		Authorized Days:	
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%		Authorized MD/TVD: 13,234	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: FLOW REPORT, WELL FLOWING TO PIT UP CSG ON 18/64 CHOKE, FCP 900#, RECOVERED 650 BBLS FRAC FLUID, LEFT WELL THE SAME.

Well Costs ($)	AFE	Actual
Daily Cost		15,350.00
Cumulative Total	1,459,000.00	289,850.00

Well: HCU 3-33F	API: 430473720300	Rpt No.: 8	DOL:	DFS:	Report Date: 4/23/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007		Type: COMPLETION	
Supervisor: JOE DUNCAN	Engineer: RICHARD HOWELL	AFE No.: 0602665		Authorized Days:	
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%		Authorized MD/TVD: 13,234	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: FLOW REPORT, SHUT WELL IN WHILE DRILLING OUT PLUGS ON PAD WELL HCU 15-28F, SICP 2038#, MIRU W/O TO BEGIN DRILLING UP PLUGS IN A.M.

Well Costs ($)	AFE	Actual
Daily Cost		15,350.00
Cumulative Total	1,459,000.00	305,200.00

DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 430473720300	Rpt No.: 9	DOL:	DFS:	Report Date: 4/24/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION		
Supervisor: JOE DUNCAN	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail:

Well Costs ($)	AFE	Actual
Daily Cost		
Cumulative Total	1,459,000.00	326,828.00

Well: HCU 3-33F	API: 430473720300	Rpt No.: 4	DOL:	DFS:	Report Date: 4/24/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION		
Supervisor: JOE DUNCAN	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:		
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234		

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: SICP 2200#. MIRU RIG AND EQUIPMENT, MIRU SCHLUMBERGER WIRELINE. RIH SET CBP @ 7250' KB, POOH RDMO WIRELINE. BLED PRESSURE OFF OF WELL, ND FRAC VALVE, NU BOPE, AND RU WORKING FLOOR. MIRU QUICK TEST AND TESTED BOPE, GOOD TEST. RIH W/ 4-3/4" ROCK TOOTH BIT SN# 1041007, SAFETY FLOAT SUB, BRS, PSN, AND 232 JTS OF 2-3/8" 4.7# N-80 8RD TBG (NOTE: AZTEC DELIVERED 267 JTS OF TBG). SHUT WELL IN W/ EOT @ 7227' KB. PREP TO C/O PLUGS IN THE MORNING.

Well Costs ($)	AFE	Actual
Daily Cost		21,628.00
Cumulative Total	1,459,000.00	326,828.00

DEPI Well Operations Chronology Report

Well: HCU 3-33F	API: 430473720300	Rpt No.: 6	DOL:	DFS:	Report Date: 4/26/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007		Type: COMPLETION	
Supervisor: JEFF KULLAND	Engineer: RICHARD HOWELL	AFE No.: 0602665		Authorized Days:	
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	Wi: 100%		Authorized MD/TVD: 13,234	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: 0# SIP. RU power swivel & est circ. D/O 5 1/2" CBP,s @ 7250', 7600', 7850' & 7980'. RIH & C/O to PBTD @ 8139'. Circ clean.
RD swivel. POOH & LD 4 jts tbg. Land on well w/ SN / EOT @ 8047'. (257 jts 2 3/8" tbg , SN & P/O bit sub top) ND BOP & hydril. NU wellhead. Drop ball & pump off bit sub. Return well to prod. 1200# on csg. No fluid movement on tbg.
RDPU & MOL.

Well Costs ($)	AFE	Actual
Daily Cost		45,450.00
Cumulative Total	1,459,000.00	372,278.00

Well: HCU 3-33F	API: 430473720300	Rpt No.: 10	DOL:	DFS:	Report Date: 4/26/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007		Type: COMPLETION	
Supervisor: JEFF KULLAND	Engineer: RICHARD HOWELL	AFE No.: 0602665		Authorized Days:	
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	Wi: 100%		Authorized MD/TVD: 13,234	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: FLOW REPORT, DRILL OUT PLUGS WITH W/O. WELL FLOWING TO PIT UP CSG. ON 32/64 CHOKE. FTP 678#, SICP 1370#. LEFT WELL SAME.

Well Costs ($)	AFE	Actual
Daily Cost		0.00
Cumulative Total	1,459,000.00	372,278.00

Well: HCU 3-33F	API: 430473720300	Rpt No.: 11	DOL:	DFS:	Report Date: 4/26/2007
Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E			
Rig Name:		Final Surface Location:			
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007		Type: COMPLETION	
Supervisor: DUSTIN HENLINE	Engineer: RICHARD HOWELL	AFE No.: 0602665		Authorized Days:	
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	Wi: 100%		Authorized MD/TVD: 13,234	

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
WASATCH			SIZE	MD	TVD
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: FLOW REPORT, WELL FLOWING TO PIT ON 32/64 CHOKE UP TBG. FTP 678#, SICP 1370#, RECOVERED 400 BBLS FRAC FLUID.

Well Costs ($)	AFE	Actual
Daily Cost		0.00
Cumulative Total	1,459,000.00	372,278.00

Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.: U-28203

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA/Agreement, Name and/or No.: Hill Creek Unit

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.: HCU 3-33F

2. Name of Operator: Dominion Exploration & Production, Inc.

9. API Well No.: 43-047-37203

3a. Address: 14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134

3b. Phone No. (include area code): (405) 749-5237

10. Field and Pool, or Exploratory Area: Natural Buttes

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 345' FNL & 2490' FNL, NW NE, Sec. 33-10S-20E
BHL: 600' FNL & 1850' FWL, NE NW, Sec. 33-10S-20E

11. County or Parish, State: Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[ ] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[X] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other First Sales
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

4/13/07 - Perf
4/18/07 - Frac
4/19/07 - Frac
4/26/07 - First Sales

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed): Barbara Lester — Title: Regulatory Specialist

Signature: Barbara Lester — Date: 5/7/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by — Title — Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
MAY 10 2007
DIV. OF OIL, GAS & MINING

Well Chronological Report

Well	API	Rpt No	DOL	DFS	Report Date

Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E	
Rig Name:		Final Surface Location:	
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION
Supervisor: DUSTIN HENLINE	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234

CONFIDENTIAL

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: FLOW REPORT, WELL FLOWING TO PIT ON 32/64 CHOKE UNTIL 1 PM, RU FLOWLINE TURN TO SALES AT 1 PM ON 14/64 CHOKE, MADE 595 MCF, FTP 1554#, SICP 1700#, SLP 142, MADE 0 OIL 24 WATER.

Well Costs ($)	AFE	Actual
Daily Cost		0.00
Cumulative Total	1,459,000.00	372,278.00

Well	API 430473720300	Rpt No 13	DOL	DFS	Report Date 4/12/2007

Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E	
Rig Name:		Final Surface Location:	
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION
Supervisor: DUSTIN HENLINE	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: FLOW REPORT, WELL FLOWING UP TBG. TO UNIT ON 14/64 CHOKE, MADE 1317 MCF, FTP 1501#, SICP 1663#, SLP 176#, MADE 0 OIL 43 WATER, 24 HRS. PRODUCTION.

Well Costs ($)	AFE	Actual
Daily Cost		0.00
Cumulative Total	1,459,000.00	372,278.00

Well	API 430473720300	Rpt No 14	DOL	DFS	Report Date 4/13/2007

Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E	
Rig Name:		Final Surface Location:	
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION
Supervisor: DUSTIN HENLINE	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: FLOW REPORT, WELL FLOWING UP TBG. TO UNIT ON 14/64 CHOKE, MADE 1317 MCF, FTP 1501#, SICP 1663#, SLP 176, MADE 25 OIL 5 WATER, 24 HRS PRODUCTION.

Well Costs ($)	AFE	Actual
Daily Cost		0.00
Cumulative Total	1,459,000.00	372,278.00

RECEIVED

MAY 02 2007

DIV. OF OIL, GAS & MINING

Daily Well Operations Chronology Report

Operator: DOMINION EXPLORATION & PRODUCTION INC		UWI: 345' FNL; 2490' FEL SEC 33-10S-20E	
Rig Name:		Final Surface Location:	
Event: COMPLETE	Start Date: 4/13/2007	Spud Dt.: 2/11/2007	Type: COMPLETION
Supervisor: DUSTIN HENLINE	Engineer: RICHARD HOWELL	AFE No.: 0602665	Authorized Days:
Active Datum: KB @5,234.0ft (RKB)	Ground Elev.: 5,216.00	WI: 100%	Authorized MD/TVD: 13,234

CONFIDENTIAL

CURRENT DEPTH			HOLE SIZE	MUD WEIGHT	LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
					5-1/2(")	8,215.0(ft)	8,015.0(ft)	(ppg)

FORMATION/TARGET NAME	MD TOP (ft)	TVD TOP (ft)	NEXT CASING		
			SIZE	MD	TVD
WASATCH					
MESAVERDE			0(")	3,500.1(ft)	3,300.0(ft)

Daily Detail: FLOW REPORT, WELL FLOWING TO UNIT ON 14/64 CHOKE, MADE 1295 MCF, FTP 1465#, SICP 1635#, SLP 174#, 0 OIL 32 WATER, 24 HRS. PRODUCTION.

Well Costs ($)		
	AFE	Actual
Daily Cost		0.00
Cumulative Total	1,459,000.00	372,278.00

MAY 02 2007

DIV OF OIL, GAS & MINING

Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO 1004-0137
Expires November 30 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

CONFIDENTIAL

5. Lease Serial No. U-28203

1a. Type of Well: [ ] Oil Well [X] Gas Well [ ] Dry Other

b. Type of Completion: [X] New Well [ ] Work Over [ ] Deepen [ ] Diff.Resvr. Other

6. If Indian, Allottee or Tribe Name: Ute Indian Tribe

7. Unit or CA Agreement Name and No: Hill Creek Unit

2. Name of Operator: Dominion Exploration & Production, Inc.

8. Lease Name and Well No.: HCU 3-33F

3. Address: 14000 Quail Springs Parkway - Ste. 600 - Okla. City, OK 73134

3a. Phone No. (include area code): 405-749-1300

9. API Well No: 43-047-37203

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface

At top prod. Inte: SHL: 345' FNL & 2490' FEL, NW/NE

At total depth: BHL: ~~600~~ 761' FNL & ~~1850~~ 1806' FWL, NE/NW

10. Field and Pool, or Exploratory: Natural Buttes

11. Sec., T.,R.,M., or Block and Survey or Area: 33-10S-20E

12. County or Parish: Uintah

13. State: UT

14. Date Spudded: 2/11/2007

15. Date T.D. Reached: 4/6/2007

16. Date Completed: [ ] D&A [X] Ready to prod. 4/26/2007

17. Elevations (DF, RKB, RT, GL)*: GL 5216'

18. Total Depth: MD 8240' TVD ~~8036'~~ 8056

19. Plug Back T.D.: MD 8132' TVD 7928'

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Platform Express Lithodensity/Comp. Neutron
High Resolution Laterlog, Cement Bond Log

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [ ] No [X] Yes (Submit copy)

23. Casing and Liner Record (Report all string set in well)

Hole Size	Size/Grade	Wt.(#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	48#	Surface	524'		500 Sx		Circ.	
12 1/4"	9 5/8"	36#	Surface	3583'		561 Sx		Circ.	
7 7/8"	5 1/2"	17#	Surface	8215'		970 Sx		CBL 2700'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set(MD)	Packer Depth (MD)
2 3/8"	8047'							

25. Producing Intervals

Formation	Top	Bottom
A) Mesaverde	8017'	8124'
B) Mesaverde	7916'	7932'
C) Mesaverde	7745'	7798'
D) Mesaverde/Wasatch	7310'	7462'
E)		
F)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
8017- 24, 8110- 24		51	Open
7916- 32		65	Open
7745- 98		107	Open
7310- 16, 7455- 62		54	Open

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8017' - 8124'	Frac w/41,792# 20/40 Tempered LC sand w/227.1 mscf of N2 and 691 bbls of YF 120ST.
7916' - 7932'	Frac w/29,034# 20/40 Ottawa sand w/139.3 mscf of N2 and 412.7 bbls of YF 120ST.
7745' - 7798'	Frac w/110,692# 20/40 Ottawa sand w/371.4 mscf of N2 and 793.7 bbls of YF 120ST.
7310' - 7462'	Frac w/27,706# 20/40 Ottawa sand w/210.6 mscf of N2 and 418.6 bbls of YF 120ST.

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MAY 29 2007
DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/26/2007	5/19/2007	24	→	7	1103	18			Flowing

Choke Size	Tbg Press. Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
17	946	1121	→	7	1103	18	1;157,571	Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg Press. Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
			→					

(See instructions and spaces for additional data on reverse side)

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg. Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg. SI	Csg. Press.	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

29. Dispostion of Gas *(Sold, used for fuel, vented, etc.)*

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top	Bottom	Descritpion, Contents, etc.

31. Formation (Log) Markers

Name	Top Meas. Depth
Wasatch Tongue	4007'
Uteland Lime	4348'
Wasatach	4492'
Chapita Wells	5393'
Uteland Buttes	6536'
Mesaverde	7318'

32. Additional remarks (include plugging procedure)

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd) 2. Geologic Report 3. DST Report 4. Directional Survey

5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

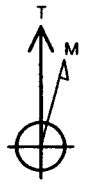
Name *(please print)* Carla Christian Title Supervisor, Regulatory Reports

Signature Carla Christian Date May 23, 2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

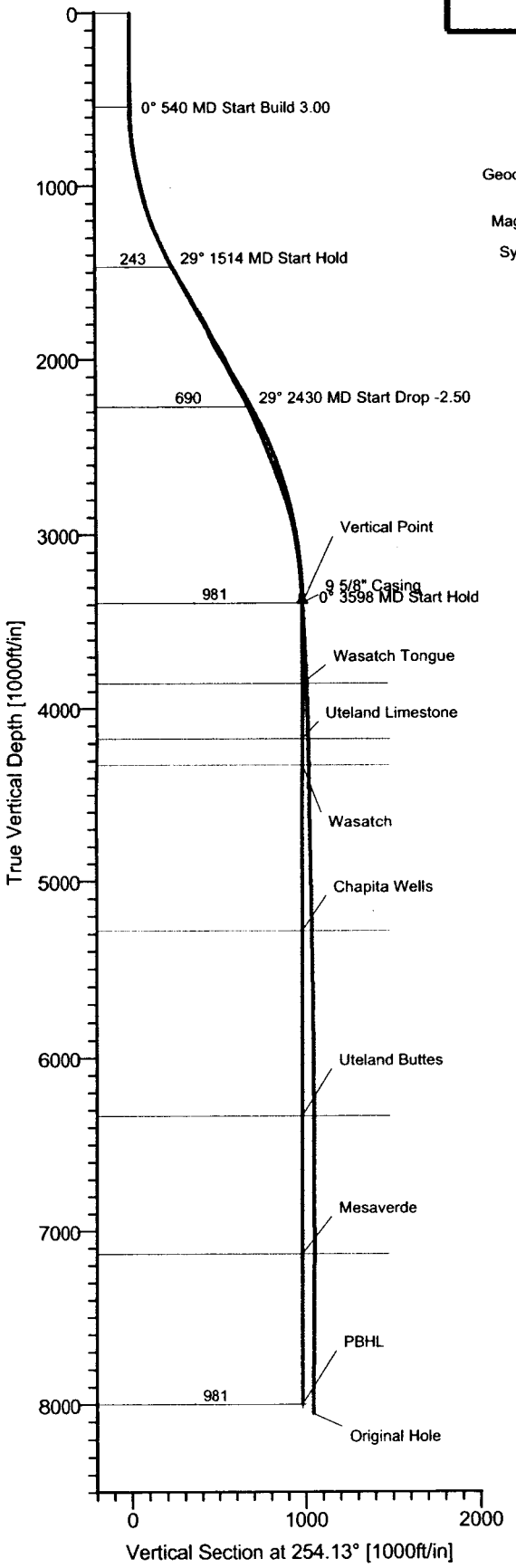
Dominion Exploration & Production

Field: Uintah County, Utah
Site: HCU # 3-33F
Well: HCU 3-33F
Wellpath: Original Hole
Plan: Plan #3



Azimuths to True North
Magnetic North: 11.67°

Magnetic Field
Strength: 52736nT
Dip Angle: 65.87°
Date: 3/22/2007
Model: igrf2005



FIELD DETAILS

Uintah County, Utah
Utah - Natural Buttes
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

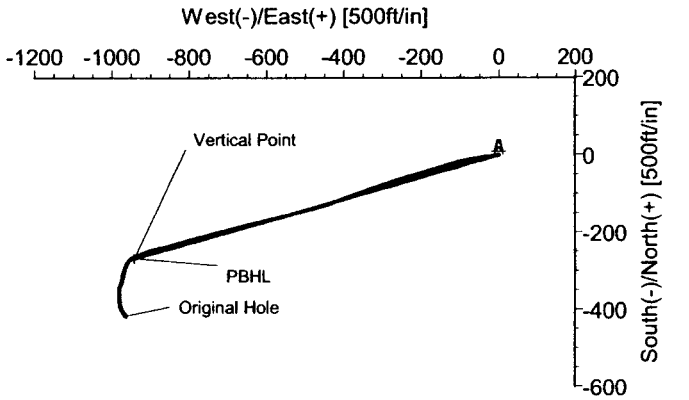
System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

HCU # 3-33F
Sec 33, T10S, R20E
Uintah Co, Utah

Site Centre Latitude: 39°54'36.380N
Longitude: 109°40'09.100W

Ground Level: 5215.00
Positional Uncertainty: 0.00
Convergence: 1.17



WELLPATH DETAILS

Original Hole

Rig: Frontier 2
Ref. Datum: Est RKB 5235.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
254.13°	0.00	0.00	0.00

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
HCU 3-33F	0.00	0.00	7141249.77	2153929.56	39°54'36.380N	109°40'09.100W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3390.00	-268.40	-943.94	Point
PBHL	8000.00	-268.40	-943.94	Point

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3855.00	4063.09	Wasatch Tongue
2	4175.00	4383.09	Uteland Limestone
3	4325.00	4533.09	Wasatch
4	5280.00	5488.09	Chapita Wells
5	6335.00	6543.09	Uteland Buttes
6	7135.00	7343.09	Mesaverde

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	254.13	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	254.13	540.00	0.00	0.00	0.00	0.00	0.00	
3	1513.73	29.21	254.13	1472.09	-66.43	-233.63	3.00	254.13	242.89	
4	2429.61	29.21	254.13	2271.49	-188.68	-663.58	0.00	0.00	689.88	
5	3598.09	0.00	254.13	3390.00	-268.40	-943.94	2.50	180.00	981.36	Vertical Point
6	8208.09	0.00	254.13	8000.00	-268.40	-943.94	0.00	254.13	981.36	PBHL

Ryan Energy Technologies
19510 Oil Center Blvd
Houston, TX 77073
Ph: 281-443-1414
Fx: 281-443-1676

Plan: Plan #3 (HCU 3-33F/Original Hole)

Created By: Alexis Gonzalez Date: 4/17/2007
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System: US State Plane Coordinate System 1983 — **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: HCU # 3-33F
Sec 33, T10S, R20E
Uintah Co, Utah

Site Position:		**Northing:**	7141249.77 ft	**Latitude:**	39 54 36.380 N
From:	Geographic	**Easting:**	2153929.56 ft	**Longitude:**	109 40 9.100 W
Position Uncertainty:	0.00 ft			**North Reference:**	True
Ground Level:	5215.00 ft			**Grid Convergence:**	1.17 deg

Well: HCU 3-33F — **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	7141249.77 ft	**Latitude:**	39 54 36.380 N
	+E/-W	0.00 ft	**Easting :**	2153929.56 ft	**Longitude:**	109 40 9.100 W
Position Uncertainty:		0.00 ft				

Wellpath: Original Hole — **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: Est RKB — **Height** 5235.00 ft — **Above System Datum:** Mean Sea Level
Magnetic Data: 3/22/2007 — **Declination:** 11.67 deg
Field Strength: 52736 nT — **Mag Dip Angle:** 65.87 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	254.13

Survey Program for Definitive Wellpath
Date: 4/17/2007 — **Validated:** No — **Version:** 4

Actual From ft	To ft	Survey	Toolcode	Tool Name
567.00	3559.00	Survey #1 (567.00-3559.00)	MWD	MWD
3570.00	8260.00	Survey #3 (3570.00-8260.00)		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
567.00	0.60	231.10	566.99	-1.86	-2.31	2.73	0.11	0.11	0.00	MWD
659.00	3.30	270.40	658.93	-2.15	-5.33	5.72	3.11	2.93	42.72	MWD
751.00	7.10	263.10	750.54	-2.81	-13.63	13.88	4.18	4.13	-7.93	MWD
842.00	10.30	265.10	840.48	-4.18	-27.32	27.42	3.53	3.52	2.20	MWD
935.00	12.50	260.90	931.64	-6.49	-45.55	45.58	2.53	2.37	-4.52	MWD
1030.00	13.80	260.60	1024.14	-9.96	-66.88	67.05	1.37	1.37	-0.32	MWD
1126.00	16.40	257.80	1116.82	-14.70	-91.42	91.96	2.81	2.71	-2.92	MWD
1221.00	19.40	253.90	1207.22	-21.91	-119.70	121.13	3.40	3.16	-4.11	MWD
1316.00	22.50	252.90	1295.93	-31.63	-152.24	155.09	3.28	3.26	-1.05	MWD
1411.00	26.10	252.90	1382.50	-43.13	-189.60	194.16	3.79	3.79	0.00	MWD
1506.00	28.10	253.90	1467.06	-55.48	-231.07	237.43	2.16	2.11	1.05	MWD
1601.00	27.80	252.50	1550.98	-68.34	-273.70	281.95	0.76	-0.32	-1.47	MWD
1696.00	29.20	250.00	1634.47	-82.93	-316.60	327.21	1.94	1.47	-2.63	MWD
1792.00	28.50	250.70	1718.56	-98.51	-360.23	373.43	0.81	-0.73	0.73	MWD
1886.00	27.70	250.00	1801.48	-113.39	-401.92	417.61	0.92	-0.85	-0.74	MWD
1981.00	27.80	252.50	1885.55	-127.61	-443.80	461.78	1.23	0.11	2.63	MWD
2078.00	29.40	255.30	1970.72	-140.45	-488.41	508.20	2.15	1.65	2.89	MWD
2173.00	29.20	256.00	2053.56	-151.98	-533.45	554.67	0.42	-0.21	0.74	MWD
2268.00	28.80	255.70	2136.65	-163.24	-578.11	600.71	0.45	-0.42	-0.32	MWD
2363.00	28.00	256.40	2220.22	-174.13	-621.96	645.87	0.91	-0.84	0.74	MWD
2460.00	24.80	255.30	2307.09	-184.65	-663.78	688.97	3.34	-3.30	-1.13	MWD

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2554.00	23.40	255.70	2392.90	-194.26	-700.93	727.34	1.50	-1.49	0.43	MWD
2649.00	22.50	255.00	2480.38	-203.63	-736.77	764.37	0.99	-0.95	-0.74	MWD
2743.00	21.80	255.00	2567.44	-212.80	-771.01	799.81	0.74	-0.74	0.00	MWD
2839.00	21.20	254.30	2656.76	-222.11	-804.94	834.99	0.68	-0.62	-0.73	MWD
2934.00	19.70	253.90	2745.77	-231.20	-836.86	868.18	1.59	-1.58	-0.42	MWD
3029.00	16.60	257.10	2836.03	-238.67	-865.48	897.76	3.43	-3.26	3.37	MWD
3124.00	13.60	256.70	2927.74	-244.27	-889.58	922.47	3.16	-3.16	-0.42	MWD
3219.00	10.00	249.30	3020.73	-249.76	-908.17	941.86	4.10	-3.79	-7.79	MWD
3314.00	7.70	245.50	3114.59	-255.32	-921.68	956.37	2.50	-2.42	-4.00	MWD
3409.00	5.20	248.60	3208.98	-259.53	-931.48	966.95	2.66	-2.63	3.26	MWD
3559.00	3.60	249.00	3358.53	-263.69	-942.21	978.41	1.07	-1.07	0.27	MWD
3570.00	3.20	245.20	3369.51	-263.95	-942.81	979.05	4.17	-3.64	-34.55	
3580.00	3.30	245.00	3379.50	-264.19	-943.32	979.61	1.01	1.00	-2.00	
3590.00	3.30	245.00	3389.48	-264.43	-943.85	980.18	0.00	0.00	0.00	
3600.00	3.40	245.20	3399.46	-264.68	-944.38	980.76	1.01	1.00	2.00	
3610.00	3.40	244.20	3409.45	-264.93	-944.91	981.34	0.59	0.00	-10.00	
3620.00	3.30	242.80	3419.43	-265.19	-945.44	981.92	1.29	-1.00	-14.00	
3630.00	3.20	242.90	3429.41	-265.45	-945.94	982.47	1.00	-1.00	1.00	
3640.00	3.20	243.70	3439.40	-265.70	-946.44	983.02	0.45	0.00	8.00	
3650.00	3.30	244.90	3449.38	-265.94	-946.95	983.58	1.21	1.00	12.00	
3660.00	3.30	243.80	3459.36	-266.19	-947.47	984.15	0.63	0.00	-11.00	
3670.00	3.30	242.10	3469.35	-266.46	-947.98	984.71	0.98	0.00	-17.00	
3680.00	3.30	241.20	3479.33	-266.73	-948.49	985.27	0.52	0.00	-9.00	
3690.00	3.30	240.20	3489.32	-267.01	-948.99	985.83	0.58	0.00	-10.00	
3700.00	3.30	239.10	3499.30	-267.30	-949.49	986.39	0.63	0.00	-11.00	
3710.00	3.30	237.90	3509.28	-267.60	-949.98	986.95	0.69	0.00	-12.00	
3720.00	3.30	237.30	3519.27	-267.91	-950.46	987.50	0.35	0.00	-6.00	
3730.00	3.30	237.10	3529.25	-268.22	-950.95	988.05	0.12	0.00	-2.00	
3740.00	3.30	236.20	3539.23	-268.54	-951.43	988.60	0.52	0.00	-9.00	
3750.00	3.30	234.90	3549.22	-268.86	-951.90	989.14	0.75	0.00	-13.00	
3760.00	3.30	233.90	3559.20	-269.20	-952.37	989.68	0.58	0.00	-10.00	
3770.00	3.20	232.70	3569.18	-269.54	-952.82	990.21	1.21	-1.00	-12.00	
3780.00	3.30	231.50	3579.17	-269.89	-953.27	990.74	1.21	1.00	-12.00	
3790.00	3.30	229.50	3589.15	-270.25	-953.72	991.27	1.15	0.00	-20.00	
3800.00	3.20	227.80	3599.13	-270.63	-954.14	991.78	1.39	-1.00	-17.00	
3810.00	3.30	227.60	3609.12	-271.01	-954.56	992.29	1.01	1.00	-2.00	
3820.00	3.30	225.50	3619.10	-271.40	-954.98	992.80	1.21	0.00	-21.00	
3830.00	3.30	223.70	3629.09	-271.81	-955.38	993.30	1.04	0.00	-18.00	
3840.00	3.30	223.30	3639.07	-272.23	-955.78	993.79	0.23	0.00	-4.00	
3850.00	3.30	221.40	3649.05	-272.66	-956.17	994.28	1.09	0.00	-19.00	
3860.00	3.20	219.80	3659.04	-273.09	-956.54	994.75	1.35	-1.00	-16.00	
3870.00	3.30	219.20	3669.02	-273.53	-956.90	995.22	1.06	1.00	-6.00	
3880.00	3.30	217.20	3679.00	-273.98	-957.25	995.69	1.15	0.00	-20.00	
3890.00	3.30	215.70	3688.99	-274.44	-957.59	996.14	0.86	0.00	-15.00	
3900.00	3.30	215.00	3698.97	-274.91	-957.93	996.59	0.40	0.00	-7.00	
3910.00	3.30	213.40	3708.95	-275.39	-958.25	997.03	0.92	0.00	-16.00	
3920.00	3.20	211.90	3718.94	-275.86	-958.56	997.46	1.31	-1.00	-15.00	
3930.00	3.10	211.80	3728.92	-276.33	-958.85	997.86	1.00	-1.00	-1.00	
3940.00	3.20	211.40	3738.91	-276.80	-959.14	998.27	1.02	1.00	-4.00	
3950.00	3.10	210.00	3748.89	-277.27	-959.42	998.67	1.26	-1.00	-14.00	
3960.00	3.10	209.70	3758.88	-277.74	-959.68	999.06	0.16	0.00	-3.00	
3970.00	3.10	209.50	3768.86	-278.21	-959.95	999.44	0.11	0.00	-2.00	
3980.00	3.20	207.70	3778.85	-278.69	-960.21	999.83	1.41	1.00	-18.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	3
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3990.00	3.20	206.50	3788.83	-279.19	-960.47	1000.21	0.67	0.00	-12.00	
4000.00	3.20	206.80	3798.82	-279.69	-960.72	1000.58	0.17	0.00	3.00	
4010.00	3.10	206.80	3808.80	-280.18	-960.97	1000.96	1.00	-1.00	0.00	
4020.00	3.10	206.90	3818.79	-280.66	-961.21	1001.32	0.05	0.00	1.00	
4030.00	3.00	206.50	3828.77	-281.14	-961.45	1001.68	1.02	-1.00	-4.00	
4040.00	2.90	206.60	3838.76	-281.60	-961.68	1002.03	1.00	-1.00	1.00	
4050.00	2.90	205.80	3848.75	-282.05	-961.90	1002.37	0.40	0.00	-8.00	
4060.00	2.90	205.40	3858.73	-282.51	-962.12	1002.70	0.20	0.00	-4.00	
4070.00	2.80	204.50	3868.72	-282.96	-962.33	1003.03	1.10	-1.00	-9.00	
4080.00	2.90	204.30	3878.71	-283.41	-962.54	1003.35	1.00	1.00	-2.00	
4090.00	2.90	203.90	3888.70	-283.87	-962.74	1003.68	0.20	0.00	-4.00	
4100.00	2.80	204.50	3898.68	-284.33	-962.95	1004.00	1.04	-1.00	6.00	
4110.00	2.80	203.80	3908.67	-284.77	-963.15	1004.31	0.34	0.00	-7.00	
4120.00	2.80	203.10	3918.66	-285.22	-963.34	1004.62	0.34	0.00	-7.00	
4130.00	2.80	203.30	3928.65	-285.67	-963.53	1004.93	0.10	0.00	2.00	
4140.00	2.80	203.50	3938.64	-286.12	-963.73	1005.24	0.10	0.00	2.00	
4150.00	2.80	203.00	3948.62	-286.57	-963.92	1005.54	0.24	0.00	-5.00	
4160.00	2.80	203.10	3958.61	-287.02	-964.11	1005.85	0.05	0.00	1.00	
4170.00	2.80	203.10	3968.60	-287.46	-964.30	1006.16	0.00	0.00	0.00	
4180.00	2.70	202.40	3978.59	-287.91	-964.49	1006.46	1.05	-1.00	-7.00	
4190.00	2.70	203.00	3988.58	-288.34	-964.67	1006.75	0.28	0.00	6.00	
4200.00	2.70	202.70	3998.57	-288.78	-964.85	1007.05	0.14	0.00	-3.00	
4210.00	2.60	203.80	4008.56	-289.20	-965.04	1007.34	1.12	-1.00	11.00	
4220.00	2.60	202.60	4018.55	-289.62	-965.22	1007.62	0.54	0.00	-12.00	
4230.00	2.70	202.90	4028.53	-290.04	-965.39	1007.91	1.01	1.00	3.00	
4240.00	2.70	202.30	4038.52	-290.48	-965.58	1008.21	0.28	0.00	-6.00	
4250.00	2.60	201.20	4048.51	-290.91	-965.75	1008.49	1.12	-1.00	-11.00	
4260.00	2.60	201.60	4058.50	-291.33	-965.91	1008.76	0.18	0.00	4.00	
4270.00	2.70	201.40	4068.49	-291.76	-966.08	1009.04	1.00	1.00	-2.00	
4280.00	2.70	202.50	4078.48	-292.20	-966.26	1009.33	0.52	0.00	11.00	
4290.00	2.70	201.20	4088.47	-292.63	-966.43	1009.62	0.61	0.00	-13.00	
4300.00	2.60	200.80	4098.46	-293.07	-966.60	1009.90	1.02	-1.00	-4.00	
4310.00	2.60	200.20	4108.45	-293.49	-966.76	1010.17	0.27	0.00	-6.00	
4320.00	2.60	200.90	4118.44	-293.92	-966.92	1010.44	0.32	0.00	7.00	
4330.00	2.60	200.40	4128.43	-294.34	-967.08	1010.71	0.23	0.00	-5.00	
4340.00	2.60	201.20	4138.42	-294.76	-967.24	1010.98	0.36	0.00	8.00	
4350.00	2.60	200.90	4148.41	-295.19	-967.40	1011.25	0.14	0.00	-3.00	
4360.00	2.60	200.00	4158.40	-295.61	-967.56	1011.52	0.41	0.00	-9.00	
4370.00	2.60	199.40	4168.39	-296.04	-967.71	1011.78	0.27	0.00	-6.00	
4380.00	2.60	199.30	4178.38	-296.47	-967.86	1012.04	0.05	0.00	-1.00	
4390.00	2.50	199.80	4188.37	-296.89	-968.01	1012.30	1.02	-1.00	5.00	
4400.00	2.50	198.40	4198.36	-297.30	-968.15	1012.55	0.61	0.00	-14.00	
4410.00	2.50	198.90	4208.35	-297.71	-968.29	1012.80	0.22	0.00	5.00	
4420.00	2.50	199.20	4218.34	-298.13	-968.44	1013.05	0.13	0.00	3.00	
4430.00	2.40	197.30	4228.33	-298.53	-968.57	1013.29	1.29	-1.00	-19.00	
4440.00	2.40	197.00	4238.32	-298.93	-968.69	1013.52	0.13	0.00	-3.00	
4450.00	2.40	196.40	4248.31	-299.33	-968.81	1013.74	0.25	0.00	-6.00	
4460.00	2.40	195.70	4258.30	-299.73	-968.93	1013.96	0.29	0.00	-7.00	
4470.00	2.40	195.50	4268.29	-300.14	-969.04	1014.18	0.08	0.00	-2.00	
4480.00	2.40	195.40	4278.29	-300.54	-969.15	1014.40	0.04	0.00	-1.00	
4490.00	2.40	195.70	4288.28	-300.94	-969.27	1014.62	0.13	0.00	3.00	
4500.00	2.30	196.00	4298.27	-301.34	-969.38	1014.83	1.01	-1.00	3.00	
4510.00	2.30	196.00	4308.26	-301.73	-969.49	1015.05	0.00	0.00	0.00	
4520.00	2.40	195.70	4318.25	-302.12	-969.60	1015.26	1.01	1.00	-3.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	4
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4530.00	2.30	196.40	4328.24	-302.51	-969.71	1015.48	1.04	-1.00	7.00	
4540.00	2.30	196.40	4338.24	-302.90	-969.83	1015.69	0.00	0.00	0.00	
4550.00	2.30	195.60	4348.23	-303.28	-969.94	1015.90	0.32	0.00	-8.00	
4560.00	2.30	195.50	4358.22	-303.67	-970.05	1016.11	0.04	0.00	-1.00	
4570.00	2.30	196.20	4368.21	-304.06	-970.16	1016.32	0.28	0.00	7.00	
4580.00	2.30	195.60	4378.20	-304.44	-970.27	1016.54	0.24	0.00	-6.00	
4590.00	2.20	196.00	4388.20	-304.82	-970.37	1016.74	1.01	-1.00	4.00	
4600.00	2.30	195.20	4398.19	-305.20	-970.48	1016.95	1.05	1.00	-8.00	
4610.00	2.30	195.30	4408.18	-305.59	-970.58	1017.15	0.04	0.00	1.00	
4620.00	2.30	194.40	4418.17	-305.97	-970.69	1017.36	0.36	0.00	-9.00	
4630.00	2.30	193.90	4428.16	-306.36	-970.78	1017.56	0.20	0.00	-5.00	
4640.00	2.30	194.40	4438.16	-306.75	-970.88	1017.76	0.20	0.00	5.00	
4650.00	2.30	193.40	4448.15	-307.14	-970.98	1017.96	0.40	0.00	-10.00	
4660.00	2.30	194.20	4458.14	-307.53	-971.07	1018.16	0.32	0.00	8.00	
4670.00	2.30	194.30	4468.13	-307.92	-971.17	1018.36	0.04	0.00	1.00	
4680.00	2.20	194.50	4478.12	-308.30	-971.27	1018.56	1.00	-1.00	2.00	
4690.00	2.20	193.90	4488.12	-308.67	-971.37	1018.75	0.23	0.00	-6.00	
4700.00	2.20	195.20	4498.11	-309.04	-971.46	1018.95	0.50	0.00	13.00	
4710.00	2.20	194.60	4508.10	-309.42	-971.56	1019.14	0.23	0.00	-6.00	
4720.00	2.20	192.50	4518.09	-309.79	-971.65	1019.33	0.81	0.00	-21.00	
4730.00	2.20	191.80	4528.09	-310.16	-971.73	1019.51	0.27	0.00	-7.00	
4740.00	2.20	192.20	4538.08	-310.54	-971.81	1019.69	0.15	0.00	4.00	
4750.00	2.20	192.10	4548.07	-310.91	-971.89	1019.87	0.04	0.00	-1.00	
4760.00	2.20	193.90	4558.06	-311.29	-971.98	1020.06	0.69	0.00	18.00	
4770.00	2.20	193.40	4568.06	-311.66	-972.07	1020.24	0.19	0.00	-5.00	
4780.00	2.20	193.30	4578.05	-312.04	-972.16	1020.43	0.04	0.00	-1.00	
4790.00	2.30	192.80	4588.04	-312.42	-972.25	1020.62	1.02	1.00	-5.00	
4800.00	2.30	193.10	4598.03	-312.81	-972.34	1020.82	0.12	0.00	3.00	
4810.00	2.30	193.30	4608.03	-313.20	-972.43	1021.01	0.08	0.00	2.00	
4820.00	2.30	192.60	4618.02	-313.59	-972.52	1021.20	0.28	0.00	-7.00	
4830.00	2.40	192.70	4628.01	-313.99	-972.61	1021.40	1.00	1.00	1.00	
4840.00	2.30	192.80	4638.00	-314.39	-972.70	1021.60	1.00	-1.00	1.00	
4850.00	2.20	193.00	4647.99	-314.77	-972.79	1021.79	1.00	-1.00	2.00	
4860.00	2.30	193.30	4657.99	-315.16	-972.87	1021.98	1.01	1.00	3.00	
4870.00	2.40	193.00	4667.98	-315.55	-972.97	1022.17	1.01	1.00	-3.00	
4880.00	2.40	193.50	4677.97	-315.96	-973.06	1022.38	0.21	0.00	5.00	
4890.00	2.30	192.90	4687.96	-316.36	-973.16	1022.58	1.03	-1.00	-6.00	
4900.00	2.40	192.90	4697.95	-316.76	-973.25	1022.78	1.00	1.00	0.00	
4910.00	2.30	192.60	4707.94	-317.16	-973.34	1022.97	1.01	-1.00	-3.00	
4920.00	2.40	193.30	4717.93	-317.56	-973.43	1023.17	1.04	1.00	7.00	
4930.00	2.30	192.30	4727.93	-317.96	-973.52	1023.37	1.08	-1.00	-10.00	
4940.00	2.30	191.60	4737.92	-318.35	-973.61	1023.55	0.28	0.00	-7.00	
4950.00	2.30	191.60	4747.91	-318.75	-973.69	1023.74	0.00	0.00	0.00	
4960.00	2.30	191.60	4757.90	-319.14	-973.77	1023.92	0.00	0.00	0.00	
4970.00	2.20	191.90	4767.89	-319.52	-973.85	1024.11	1.01	-1.00	3.00	
4980.00	2.20	191.80	4777.89	-319.90	-973.93	1024.28	0.04	0.00	-1.00	
4990.00	2.20	191.50	4787.88	-320.28	-974.00	1024.46	0.12	0.00	-3.00	
5000.00	2.10	191.10	4797.87	-320.64	-974.08	1024.63	1.01	-1.00	-4.00	
5010.00	2.20	191.20	4807.87	-321.01	-974.15	1024.80	1.00	1.00	1.00	
5020.00	2.10	190.50	4817.86	-321.38	-974.22	1024.97	1.03	-1.00	-7.00	
5030.00	2.10	190.60	4827.85	-321.74	-974.29	1025.14	0.04	0.00	1.00	
5040.00	2.20	189.80	4837.84	-322.11	-974.35	1025.30	1.04	1.00	-8.00	
5050.00	2.20	190.60	4847.84	-322.49	-974.42	1025.47	0.31	0.00	8.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	5
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5060.00	2.20	191.00	4857.83	-322.86	-974.49	1025.64	0.15	0.00	4.00	
5070.00	2.20	190.40	4867.82	-323.24	-974.56	1025.81	0.23	0.00	-6.00	
5080.00	2.10	189.50	4877.82	-323.61	-974.63	1025.98	1.06	-1.00	-9.00	
5090.00	2.10	190.00	4887.81	-323.97	-974.69	1026.13	0.18	0.00	5.00	
5100.00	2.10	190.50	4897.80	-324.33	-974.76	1026.30	0.18	0.00	5.00	
5110.00	2.10	190.40	4907.80	-324.69	-974.82	1026.46	0.04	0.00	-1.00	
5120.00	2.10	190.80	4917.79	-325.05	-974.89	1026.62	0.15	0.00	4.00	
5130.00	2.10	190.00	4927.78	-325.41	-974.96	1026.78	0.29	0.00	-8.00	
5140.00	2.00	190.30	4937.78	-325.77	-975.02	1026.94	1.01	-1.00	3.00	
5150.00	2.00	190.60	4947.77	-326.11	-975.08	1027.10	0.10	0.00	3.00	
5160.00	2.00	189.90	4957.76	-326.45	-975.15	1027.25	0.24	0.00	-7.00	
5170.00	2.00	190.60	4967.76	-326.80	-975.21	1027.40	0.24	0.00	7.00	
5180.00	1.90	190.50	4977.75	-327.13	-975.27	1027.55	1.00	-1.00	-1.00	
5190.00	1.90	192.30	4987.75	-327.46	-975.34	1027.71	0.60	0.00	18.00	
5200.00	2.00	192.70	4997.74	-327.79	-975.41	1027.87	1.01	1.00	4.00	
5210.00	2.00	192.80	5007.73	-328.13	-975.49	1028.04	0.03	0.00	1.00	
5220.00	2.00	193.60	5017.73	-328.47	-975.57	1028.20	0.28	0.00	8.00	
5230.00	2.00	194.40	5027.72	-328.81	-975.65	1028.38	0.28	0.00	8.00	
5240.00	2.00	194.90	5037.72	-329.14	-975.74	1028.56	0.17	0.00	5.00	
5250.00	2.00	195.60	5047.71	-329.48	-975.83	1028.74	0.24	0.00	7.00	
5260.00	2.00	195.40	5057.70	-329.82	-975.92	1028.92	0.07	0.00	-2.00	
5270.00	1.90	196.30	5067.70	-330.14	-976.02	1029.10	1.05	-1.00	9.00	
5280.00	1.90	196.90	5077.69	-330.46	-976.11	1029.27	0.20	0.00	6.00	
5290.00	1.90	197.20	5087.69	-330.78	-976.21	1029.46	0.10	0.00	3.00	
5300.00	1.90	198.60	5097.68	-331.09	-976.31	1029.64	0.46	0.00	14.00	
5310.00	1.90	198.30	5107.68	-331.41	-976.41	1029.83	0.10	0.00	-3.00	
5320.00	1.90	198.50	5117.67	-331.72	-976.52	1030.01	0.07	0.00	2.00	
5330.00	1.80	198.70	5127.67	-332.03	-976.62	1030.20	1.00	-1.00	2.00	
5340.00	1.80	198.70	5137.66	-332.33	-976.72	1030.37	0.00	0.00	0.00	
5350.00	1.80	199.30	5147.66	-332.62	-976.83	1030.55	0.19	0.00	6.00	
5360.00	1.90	198.80	5157.65	-332.93	-976.93	1030.74	1.01	1.00	-5.00	
5370.00	1.90	198.50	5167.64	-333.24	-977.04	1030.93	0.10	0.00	-3.00	
5380.00	1.80	199.80	5177.64	-333.55	-977.14	1031.11	1.08	-1.00	13.00	
5390.00	1.90	199.40	5187.63	-333.85	-977.25	1031.30	1.01	1.00	-4.00	
5400.00	2.00	199.60	5197.63	-334.17	-977.36	1031.50	1.00	1.00	2.00	
5410.00	1.90	199.70	5207.62	-334.49	-977.48	1031.69	1.00	-1.00	1.00	
5420.00	1.90	199.40	5217.62	-334.81	-977.59	1031.89	0.10	0.00	-3.00	
5430.00	1.90	199.90	5227.61	-335.12	-977.70	1032.08	0.17	0.00	5.00	
5440.00	1.90	200.40	5237.61	-335.43	-977.82	1032.27	0.17	0.00	5.00	
5450.00	1.90	199.90	5247.60	-335.74	-977.93	1032.47	0.17	0.00	-5.00	
5460.00	1.90	199.40	5257.60	-336.05	-978.04	1032.66	0.17	0.00	-5.00	
5470.00	1.90	199.10	5267.59	-336.37	-978.15	1032.85	0.10	0.00	-3.00	
5480.00	1.90	199.40	5277.58	-336.68	-978.26	1033.04	0.10	0.00	3.00	
5490.00	1.90	199.30	5287.58	-336.99	-978.37	1033.23	0.03	0.00	-1.00	
5500.00	1.80	200.40	5297.57	-337.30	-978.48	1033.42	1.06	-1.00	11.00	
5510.00	1.80	201.00	5307.57	-337.59	-978.59	1033.61	0.19	0.00	6.00	
5520.00	1.80	196.50	5317.56	-337.89	-978.69	1033.79	1.41	0.00	-45.00	
5530.00	1.80	198.40	5327.56	-338.19	-978.79	1033.96	0.60	0.00	19.00	
5540.00	1.80	200.70	5337.55	-338.48	-978.89	1034.14	0.72	0.00	23.00	
5550.00	1.80	200.90	5347.55	-338.78	-979.00	1034.33	0.06	0.00	2.00	
5560.00	1.80	200.60	5357.54	-339.07	-979.11	1034.52	0.09	0.00	-3.00	
5570.00	1.90	199.50	5367.54	-339.37	-979.22	1034.71	1.06	1.00	-11.00	
5580.00	1.80	200.60	5377.53	-339.68	-979.33	1034.90	1.06	-1.00	11.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	6
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5590.00	1.80	202.40	5387.53	-339.97	-979.45	1035.09	0.57	0.00	18.00	
5600.00	1.80	200.20	5397.52	-340.26	-979.56	1035.28	0.69	0.00	-22.00	
5610.00	1.80	199.50	5407.52	-340.56	-979.67	1035.46	0.22	0.00	-7.00	
5620.00	1.90	200.40	5417.51	-340.86	-979.78	1035.65	1.04	1.00	9.00	
5630.00	1.80	200.90	5427.51	-341.16	-979.89	1035.84	1.01	-1.00	5.00	
5640.00	1.80	200.10	5437.50	-341.46	-980.00	1036.03	0.25	0.00	-8.00	
5650.00	1.80	201.30	5447.50	-341.75	-980.12	1036.21	0.38	0.00	12.00	
5660.00	1.80	199.90	5457.49	-342.04	-980.23	1036.40	0.44	0.00	-14.00	
5670.00	1.80	197.30	5467.49	-342.34	-980.33	1036.58	0.82	0.00	-26.00	
5680.00	1.80	196.90	5477.48	-342.64	-980.42	1036.75	0.13	0.00	-4.00	
5690.00	1.80	195.40	5487.48	-342.94	-980.51	1036.92	0.47	0.00	-15.00	
5700.00	1.90	193.80	5497.47	-343.26	-980.59	1037.08	1.13	1.00	-16.00	
5710.00	1.90	195.80	5507.47	-343.58	-980.67	1037.25	0.66	0.00	20.00	
5720.00	1.90	193.80	5517.46	-343.90	-980.76	1037.42	0.66	0.00	-20.00	
5730.00	2.00	193.50	5527.46	-344.23	-980.84	1037.59	1.01	1.00	-3.00	
5740.00	2.00	193.70	5537.45	-344.57	-980.92	1037.76	0.07	0.00	2.00	
5750.00	2.00	193.40	5547.44	-344.91	-981.00	1037.93	0.10	0.00	-3.00	
5760.00	2.00	193.40	5557.44	-345.25	-981.08	1038.10	0.00	0.00	0.00	
5770.00	2.00	193.90	5567.43	-345.58	-981.16	1038.27	0.17	0.00	5.00	
5780.00	1.90	192.10	5577.43	-345.92	-981.24	1038.44	1.17	-1.00	-18.00	
5790.00	1.90	193.80	5587.42	-346.24	-981.31	1038.60	0.56	0.00	17.00	
5800.00	1.90	191.60	5597.42	-346.56	-981.39	1038.75	0.73	0.00	-22.00	
5810.00	1.90	190.10	5607.41	-346.89	-981.45	1038.90	0.50	0.00	-15.00	
5820.00	2.00	188.90	5617.40	-347.22	-981.51	1039.05	1.08	1.00	-12.00	
5830.00	1.90	190.80	5627.40	-347.56	-981.56	1039.20	1.19	-1.00	19.00	
5840.00	1.90	189.00	5637.39	-347.89	-981.62	1039.34	0.60	0.00	-18.00	
5850.00	2.00	188.80	5647.39	-348.22	-981.67	1039.48	1.00	1.00	-2.00	
5860.00	2.00	188.80	5657.38	-348.57	-981.73	1039.63	0.00	0.00	0.00	
5870.00	1.90	188.90	5667.38	-348.90	-981.78	1039.77	1.00	-1.00	1.00	
5880.00	1.90	186.90	5677.37	-349.23	-981.82	1039.90	0.66	0.00	-20.00	
5890.00	1.90	186.50	5687.36	-349.56	-981.86	1040.03	0.13	0.00	-4.00	
5900.00	1.90	187.10	5697.36	-349.89	-981.90	1040.16	0.20	0.00	6.00	
5910.00	1.90	186.10	5707.35	-350.22	-981.94	1040.29	0.33	0.00	-10.00	
5920.00	1.80	186.00	5717.35	-350.54	-981.97	1040.41	1.00	-1.00	-1.00	
5930.00	1.90	185.80	5727.34	-350.86	-982.01	1040.53	1.00	1.00	-2.00	
5940.00	1.80	185.50	5737.34	-351.18	-982.04	1040.65	1.00	-1.00	-3.00	
5950.00	1.80	183.40	5747.33	-351.50	-982.06	1040.75	0.66	0.00	-21.00	
5960.00	1.70	183.40	5757.33	-351.80	-982.08	1040.85	1.00	-1.00	0.00	
5970.00	1.80	183.10	5767.32	-352.11	-982.10	1040.95	1.00	1.00	-3.00	
5980.00	1.80	183.00	5777.32	-352.42	-982.12	1041.06	0.03	0.00	-1.00	
5990.00	1.80	183.00	5787.31	-352.73	-982.13	1041.16	0.00	0.00	0.00	
6000.00	1.70	181.50	5797.31	-353.04	-982.14	1041.25	1.10	-1.00	-15.00	
6010.00	1.70	181.60	5807.30	-353.33	-982.15	1041.34	0.03	0.00	1.00	
6020.00	1.70	181.30	5817.30	-353.63	-982.16	1041.43	0.09	0.00	-3.00	
6030.00	1.80	181.80	5827.30	-353.94	-982.17	1041.52	1.01	1.00	5.00	
6040.00	1.80	182.00	5837.29	-354.25	-982.18	1041.62	0.06	0.00	2.00	
6050.00	1.80	181.40	5847.29	-354.56	-982.19	1041.71	0.19	0.00	-6.00	
6060.00	1.70	180.50	5857.28	-354.87	-982.19	1041.80	1.04	-1.00	-9.00	
6070.00	1.70	180.30	5867.28	-355.17	-982.20	1041.88	0.06	0.00	-2.00	
6080.00	1.80	180.00	5877.27	-355.47	-982.20	1041.97	1.00	1.00	-3.00	
6090.00	1.70	179.80	5887.27	-355.78	-982.20	1042.05	1.00	-1.00	-2.00	
6100.00	1.70	180.60	5897.26	-356.07	-982.20	1042.13	0.24	0.00	8.00	
6110.00	1.80	181.60	5907.26	-356.38	-982.20	1042.22	1.05	1.00	10.00	
6120.00	1.70	181.90	5917.25	-356.68	-982.21	1042.32	1.00	-1.00	3.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	7
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6130.00	1.80	182.00	5927.25	-356.99	-982.22	1042.41	1.00	1.00	1.00	
6140.00	1.80	181.80	5937.24	-357.30	-982.23	1042.50	0.06	0.00	-2.00	
6150.00	1.80	182.30	5947.24	-357.62	-982.24	1042.60	0.16	0.00	5.00	
6160.00	1.80	182.20	5957.23	-357.93	-982.26	1042.70	0.03	0.00	-1.00	
6170.00	1.80	182.40	5967.23	-358.24	-982.27	1042.80	0.06	0.00	2.00	
6180.00	1.90	182.10	5977.22	-358.57	-982.28	1042.90	1.00	1.00	-3.00	
6190.00	1.90	182.40	5987.22	-358.90	-982.29	1043.00	0.10	0.00	3.00	
6200.00	1.90	182.80	5997.21	-359.23	-982.31	1043.11	0.13	0.00	4.00	
6210.00	1.90	182.70	6007.21	-359.56	-982.33	1043.21	0.03	0.00	-1.00	
6220.00	1.90	183.40	6017.20	-359.89	-982.34	1043.32	0.23	0.00	7.00	
6230.00	1.90	182.70	6027.20	-360.22	-982.36	1043.43	0.23	0.00	-7.00	
6240.00	1.90	182.10	6037.19	-360.55	-982.38	1043.53	0.20	0.00	-6.00	
6250.00	1.90	181.40	6047.19	-360.89	-982.39	1043.63	0.23	0.00	-7.00	
6260.00	1.90	181.40	6057.18	-361.22	-982.39	1043.73	0.00	0.00	0.00	
6270.00	1.90	181.30	6067.17	-361.55	-982.40	1043.83	0.03	0.00	-1.00	
6280.00	1.90	181.30	6077.17	-361.88	-982.41	1043.93	0.00	0.00	0.00	
6290.00	1.90	181.00	6087.16	-362.21	-982.42	1044.02	0.10	0.00	-3.00	
6300.00	1.90	180.70	6097.16	-362.54	-982.42	1044.12	0.10	0.00	-3.00	
6310.00	1.90	180.70	6107.15	-362.87	-982.42	1044.21	0.00	0.00	0.00	
6320.00	1.90	180.20	6117.15	-363.21	-982.43	1044.31	0.17	0.00	-5.00	
6330.00	1.90	179.70	6127.14	-363.54	-982.43	1044.40	0.17	0.00	-5.00	
6340.00	1.90	179.30	6137.14	-363.87	-982.42	1044.48	0.13	0.00	-4.00	
6350.00	1.80	178.00	6147.13	-364.19	-982.42	1044.57	1.08	-1.00	-13.00	
6360.00	1.80	177.80	6157.13	-364.51	-982.40	1044.64	0.06	0.00	-2.00	
6370.00	1.80	176.40	6167.12	-364.82	-982.39	1044.71	0.44	0.00	-14.00	
6380.00	1.80	176.00	6177.12	-365.13	-982.37	1044.78	0.13	0.00	-4.00	
6390.00	1.80	176.10	6187.11	-365.45	-982.35	1044.84	0.03	0.00	1.00	
6400.00	1.80	175.80	6197.11	-365.76	-982.32	1044.91	0.09	0.00	-3.00	
6410.00	1.80	174.80	6207.10	-366.07	-982.30	1044.97	0.31	0.00	-10.00	
6420.00	1.70	174.10	6217.10	-366.38	-982.27	1045.02	1.02	-1.00	-7.00	
6430.00	1.70	174.90	6227.09	-366.67	-982.24	1045.07	0.24	0.00	8.00	
6440.00	1.70	174.00	6237.09	-366.97	-982.21	1045.13	0.27	0.00	-9.00	
6450.00	1.70	174.50	6247.08	-367.26	-982.18	1045.18	0.15	0.00	5.00	
6460.00	1.70	175.60	6257.08	-367.56	-982.16	1045.24	0.33	0.00	11.00	
6470.00	1.70	174.50	6267.07	-367.85	-982.13	1045.29	0.33	0.00	-11.00	
6480.00	1.70	174.80	6277.07	-368.15	-982.10	1045.35	0.09	0.00	3.00	
6490.00	1.70	175.10	6287.07	-368.44	-982.08	1045.40	0.09	0.00	3.00	
6500.00	1.70	175.30	6297.06	-368.74	-982.05	1045.46	0.06	0.00	2.00	
6510.00	1.70	176.00	6307.06	-369.04	-982.03	1045.52	0.21	0.00	7.00	
6520.00	1.70	175.50	6317.05	-369.33	-982.01	1045.58	0.15	0.00	-5.00	
6530.00	1.60	174.70	6327.05	-369.62	-981.98	1045.63	1.03	-1.00	-8.00	
6540.00	1.60	174.90	6337.04	-369.90	-981.96	1045.68	0.06	0.00	2.00	
6550.00	1.60	175.40	6347.04	-370.17	-981.93	1045.74	0.14	0.00	5.00	
6560.00	1.60	176.20	6357.04	-370.45	-981.91	1045.79	0.22	0.00	8.00	
6570.00	1.60	177.10	6367.03	-370.73	-981.90	1045.85	0.25	0.00	9.00	
6580.00	1.60	178.20	6377.03	-371.01	-981.89	1045.92	0.31	0.00	11.00	
6590.00	1.60	177.80	6387.02	-371.29	-981.88	1045.99	0.11	0.00	-4.00	
6600.00	1.60	177.50	6397.02	-371.57	-981.86	1046.05	0.08	0.00	-3.00	
6610.00	1.60	176.80	6407.02	-371.85	-981.85	1046.12	0.20	0.00	-7.00	
6620.00	1.60	176.70	6417.01	-372.13	-981.84	1046.18	0.03	0.00	-1.00	
6630.00	1.70	176.00	6427.01	-372.41	-981.82	1046.24	1.02	1.00	-7.00	
6640.00	1.70	175.30	6437.00	-372.71	-981.79	1046.30	0.21	0.00	-7.00	
6650.00	1.70	174.70	6447.00	-373.01	-981.77	1046.35	0.18	0.00	-6.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	8
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6660.00	1.70	174.80	6457.00	-373.30	-981.74	1046.41	0.03	0.00	1.00	
6670.00	1.70	174.90	6466.99	-373.60	-981.71	1046.46	0.03	0.00	1.00	
6680.00	1.70	174.30	6476.99	-373.89	-981.69	1046.52	0.18	0.00	-6.00	
6690.00	1.70	173.30	6486.98	-374.19	-981.65	1046.57	0.30	0.00	-10.00	
6700.00	1.70	172.60	6496.98	-374.48	-981.62	1046.61	0.21	0.00	-7.00	
6710.00	1.70	172.80	6506.97	-374.78	-981.58	1046.66	0.06	0.00	2.00	
6720.00	1.70	172.60	6516.97	-375.07	-981.54	1046.70	0.06	0.00	-2.00	
6730.00	1.70	172.00	6526.96	-375.36	-981.50	1046.74	0.18	0.00	-6.00	
6740.00	1.70	172.40	6536.96	-375.66	-981.46	1046.78	0.12	0.00	4.00	
6750.00	1.70	173.00	6546.96	-375.95	-981.43	1046.83	0.18	0.00	6.00	
6760.00	1.80	172.30	6556.95	-376.25	-981.39	1046.87	1.02	1.00	-7.00	
6770.00	1.80	172.10	6566.95	-376.57	-981.34	1046.92	0.06	0.00	-2.00	
6780.00	1.80	171.40	6576.94	-376.88	-981.30	1046.96	0.22	0.00	-7.00	
6790.00	1.80	171.20	6586.94	-377.19	-981.25	1047.00	0.06	0.00	-2.00	
6800.00	1.80	170.70	6596.93	-377.50	-981.20	1047.04	0.16	0.00	-5.00	
6810.00	1.80	171.80	6606.93	-377.81	-981.15	1047.07	0.35	0.00	11.00	
6820.00	1.90	171.80	6616.92	-378.13	-981.11	1047.12	1.00	1.00	0.00	
6830.00	1.90	171.40	6626.92	-378.46	-981.06	1047.16	0.13	0.00	-4.00	
6840.00	1.80	171.90	6636.91	-378.77	-981.01	1047.20	1.01	-1.00	5.00	
6850.00	1.80	172.10	6646.91	-379.09	-980.97	1047.25	0.06	0.00	2.00	
6860.00	1.80	171.90	6656.90	-379.40	-980.92	1047.29	0.06	0.00	-2.00	
6870.00	1.80	171.60	6666.90	-379.71	-980.88	1047.33	0.09	0.00	-3.00	
6880.00	1.80	170.80	6676.89	-380.02	-980.83	1047.37	0.25	0.00	-8.00	
6890.00	1.80	170.80	6686.89	-380.33	-980.78	1047.41	0.00	0.00	0.00	
6900.00	1.80	170.60	6696.88	-380.64	-980.73	1047.44	0.06	0.00	-2.00	
6910.00	1.80	170.90	6706.88	-380.95	-980.68	1047.48	0.09	0.00	3.00	
6920.00	1.80	170.90	6716.87	-381.26	-980.63	1047.52	0.00	0.00	0.00	
6930.00	1.80	170.80	6726.87	-381.57	-980.58	1047.55	0.03	0.00	-1.00	
6940.00	1.80	170.50	6736.86	-381.88	-980.53	1047.59	0.09	0.00	-3.00	
6950.00	1.80	170.30	6746.86	-382.19	-980.48	1047.62	0.06	0.00	-2.00	
6960.00	1.80	170.10	6756.85	-382.50	-980.42	1047.66	0.06	0.00	-2.00	
6970.00	1.80	169.90	6766.85	-382.81	-980.37	1047.69	0.06	0.00	-2.00	
6980.00	1.80	170.50	6776.84	-383.12	-980.32	1047.72	0.19	0.00	6.00	
6990.00	1.80	169.90	6786.84	-383.43	-980.26	1047.75	0.19	0.00	-6.00	
7000.00	1.80	170.30	6796.83	-383.74	-980.21	1047.79	0.13	0.00	4.00	
7010.00	1.80	170.60	6806.83	-384.05	-980.16	1047.82	0.09	0.00	3.00	
7020.00	1.70	171.20	6816.82	-384.35	-980.11	1047.86	1.02	-1.00	6.00	
7030.00	1.70	169.90	6826.82	-384.64	-980.06	1047.89	0.39	0.00	-13.00	
7040.00	1.70	170.90	6836.81	-384.93	-980.01	1047.92	0.30	0.00	10.00	
7050.00	1.70	170.10	6846.81	-385.22	-979.96	1047.96	0.24	0.00	-8.00	
7060.00	1.80	169.60	6856.80	-385.52	-979.91	1047.99	1.01	1.00	-5.00	
7070.00	1.70	169.50	6866.80	-385.83	-979.85	1048.01	1.00	-1.00	-1.00	
7080.00	1.70	169.00	6876.80	-386.12	-979.80	1048.04	0.15	0.00	-5.00	
7090.00	1.80	169.00	6886.79	-386.42	-979.74	1048.07	1.00	1.00	0.00	
7100.00	1.80	169.20	6896.79	-386.72	-979.68	1048.09	0.06	0.00	2.00	
7110.00	1.80	169.10	6906.78	-387.03	-979.62	1048.12	0.03	0.00	-1.00	
7120.00	1.80	169.20	6916.78	-387.34	-979.56	1048.15	0.03	0.00	1.00	
7130.00	1.80	170.00	6926.77	-387.65	-979.50	1048.18	0.25	0.00	8.00	
7140.00	1.80	170.00	6936.77	-387.96	-979.45	1048.21	0.00	0.00	0.00	
7150.00	1.80	169.50	6946.76	-388.27	-979.39	1048.24	0.16	0.00	-5.00	
7160.00	1.80	169.20	6956.76	-388.58	-979.34	1048.27	0.09	0.00	-3.00	
7170.00	1.80	169.30	6966.75	-388.89	-979.28	1048.30	0.03	0.00	1.00	
7180.00	1.90	168.90	6976.75	-389.20	-979.22	1048.33	1.01	1.00	-4.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	9
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7190.00	1.90	169.20	6986.74	-389.53	-979.15	1048.36	0.10	0.00	3.00	
7200.00	1.90	169.40	6996.74	-389.85	-979.09	1048.39	0.07	0.00	2.00	
7210.00	1.80	168.70	7006.73	-390.17	-979.03	1048.41	1.03	-1.00	-7.00	
7220.00	1.80	168.70	7016.72	-390.48	-978.97	1048.44	0.00	0.00	0.00	
7230.00	1.80	168.90	7026.72	-390.79	-978.91	1048.46	0.06	0.00	2.00	
7240.00	1.80	168.70	7036.72	-391.10	-978.85	1048.49	0.06	0.00	-2.00	
7250.00	1.70	167.20	7046.71	-391.39	-978.78	1048.51	1.10	-1.00	-15.00	
7260.00	1.70	165.10	7056.71	-391.68	-978.71	1048.52	0.62	0.00	-21.00	
7270.00	1.70	165.30	7066.70	-391.97	-978.64	1048.53	0.06	0.00	2.00	
7280.00	1.70	164.30	7076.70	-392.26	-978.56	1048.53	0.30	0.00	-10.00	
7290.00	1.70	162.50	7086.69	-392.54	-978.47	1048.53	0.53	0.00	-18.00	
7300.00	1.60	161.50	7096.69	-392.81	-978.38	1048.51	1.04	-1.00	-10.00	
7310.00	1.50	161.00	7106.68	-393.07	-978.30	1048.50	1.01	-1.00	-5.00	
7320.00	1.60	161.40	7116.68	-393.33	-978.21	1048.49	1.01	1.00	4.00	
7330.00	1.60	160.50	7126.68	-393.59	-978.12	1048.47	0.25	0.00	-9.00	
7340.00	1.60	160.80	7136.67	-393.85	-978.03	1048.46	0.08	0.00	3.00	
7350.00	1.50	161.20	7146.67	-394.11	-977.94	1048.44	1.01	-1.00	4.00	
7360.00	1.50	160.40	7156.67	-394.36	-977.85	1048.43	0.21	0.00	-8.00	
7370.00	1.50	159.60	7166.66	-394.60	-977.76	1048.41	0.21	0.00	-8.00	
7380.00	1.40	159.60	7176.66	-394.84	-977.67	1048.39	1.00	-1.00	0.00	
7390.00	1.40	159.80	7186.66	-395.07	-977.59	1048.37	0.05	0.00	2.00	
7400.00	1.40	158.40	7196.65	-395.30	-977.50	1048.35	0.34	0.00	-14.00	
7410.00	1.40	157.20	7206.65	-395.52	-977.41	1048.32	0.29	0.00	-12.00	
7420.00	1.40	154.90	7216.65	-395.75	-977.31	1048.28	0.56	0.00	-23.00	
7430.00	1.50	153.50	7226.64	-395.97	-977.20	1048.24	1.06	1.00	-14.00	
7440.00	1.50	154.70	7236.64	-396.21	-977.09	1048.20	0.31	0.00	12.00	
7450.00	1.40	156.10	7246.64	-396.44	-976.98	1048.16	1.06	-1.00	14.00	
7460.00	1.40	155.30	7256.64	-396.66	-976.88	1048.12	0.20	0.00	-8.00	
7470.00	1.40	155.10	7266.63	-396.88	-976.78	1048.08	0.05	0.00	-2.00	
7480.00	1.40	155.60	7276.63	-397.11	-976.68	1048.05	0.12	0.00	5.00	
7490.00	1.30	156.40	7286.63	-397.32	-976.58	1048.01	1.02	-1.00	8.00	
7500.00	1.30	154.30	7296.62	-397.53	-976.49	1047.98	0.48	0.00	-21.00	
7510.00	1.30	153.50	7306.62	-397.73	-976.39	1047.94	0.18	0.00	-8.00	
7520.00	1.30	151.50	7316.62	-397.93	-976.28	1047.89	0.45	0.00	-20.00	
7530.00	1.30	148.90	7326.62	-398.13	-976.17	1047.84	0.59	0.00	-26.00	
7540.00	1.30	148.40	7336.61	-398.32	-976.05	1047.78	0.11	0.00	-5.00	
7550.00	1.30	148.70	7346.61	-398.52	-975.93	1047.72	0.07	0.00	3.00	
7560.00	1.30	149.60	7356.61	-398.71	-975.82	1047.66	0.20	0.00	9.00	
7570.00	1.30	149.80	7366.61	-398.91	-975.70	1047.60	0.05	0.00	2.00	
7580.00	1.30	147.80	7376.60	-399.10	-975.58	1047.54	0.45	0.00	-20.00	
7590.00	1.30	146.80	7386.60	-399.29	-975.46	1047.48	0.23	0.00	-10.00	
7600.00	1.40	148.20	7396.60	-399.49	-975.33	1047.41	1.05	1.00	14.00	
7610.00	1.40	148.80	7406.59	-399.70	-975.21	1047.34	0.15	0.00	6.00	
7620.00	1.40	149.60	7416.59	-399.91	-975.08	1047.28	0.20	0.00	8.00	
7630.00	1.40	148.50	7426.59	-400.12	-974.96	1047.22	0.27	0.00	-11.00	
7640.00	1.40	148.60	7436.59	-400.33	-974.83	1047.15	0.02	0.00	1.00	
7650.00	1.50	148.70	7446.58	-400.54	-974.70	1047.08	1.00	1.00	1.00	
7660.00	1.50	149.80	7456.58	-400.77	-974.56	1047.02	0.29	0.00	11.00	
7670.00	1.50	151.20	7466.58	-401.00	-974.43	1046.95	0.37	0.00	14.00	
7680.00	1.50	150.10	7476.57	-401.22	-974.31	1046.89	0.29	0.00	-11.00	
7690.00	1.50	150.30	7486.57	-401.45	-974.18	1046.83	0.05	0.00	2.00	
7700.00	1.60	150.80	7496.57	-401.69	-974.04	1046.77	1.01	1.00	5.00	
7710.00	1.50	149.30	7506.56	-401.92	-973.91	1046.70	1.08	-1.00	-15.00	
7720.00	1.60	149.10	7516.56	-402.15	-973.77	1046.63	1.00	1.00	-2.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	10
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7730.00	1.60	150.30	7526.55	-402.39	-973.63	1046.56	0.34	0.00	12.00	
7740.00	1.60	153.00	7536.55	-402.64	-973.50	1046.50	0.75	0.00	27.00	
7750.00	1.60	153.10	7546.55	-402.89	-973.37	1046.45	0.03	0.00	1.00	
7760.00	1.70	151.70	7556.54	-403.14	-973.24	1046.39	1.08	1.00	-14.00	
7770.00	1.70	153.40	7566.54	-403.41	-973.10	1046.33	0.50	0.00	17.00	
7780.00	1.70	154.30	7576.53	-403.67	-972.97	1046.28	0.27	0.00	9.00	
7790.00	1.70	154.30	7586.53	-403.94	-972.84	1046.23	0.00	0.00	0.00	
7800.00	1.70	154.40	7596.52	-404.21	-972.71	1046.18	0.03	0.00	1.00	
7810.00	1.70	154.80	7606.52	-404.48	-972.58	1046.13	0.12	0.00	4.00	
7820.00	1.70	154.40	7616.52	-404.74	-972.46	1046.08	0.12	0.00	-4.00	
7830.00	1.80	154.70	7626.51	-405.02	-972.33	1046.03	1.00	1.00	3.00	
7840.00	1.80	154.20	7636.51	-405.30	-972.19	1045.97	0.16	0.00	-5.00	
7850.00	1.90	154.10	7646.50	-405.59	-972.05	1045.92	1.00	1.00	-1.00	
7860.00	1.90	153.90	7656.50	-405.89	-971.90	1045.86	0.07	0.00	-2.00	
7870.00	1.90	153.90	7666.49	-406.19	-971.76	1045.80	0.00	0.00	0.00	
7880.00	1.90	153.20	7676.48	-406.49	-971.61	1045.74	0.23	0.00	-7.00	
7890.00	1.90	154.40	7686.48	-406.78	-971.46	1045.68	0.40	0.00	12.00	
7900.00	1.90	152.20	7696.47	-407.08	-971.32	1045.62	0.73	0.00	-22.00	
7910.00	1.80	152.40	7706.47	-407.37	-971.17	1045.55	1.00	-1.00	2.00	
7920.00	1.80	151.90	7716.46	-407.64	-971.02	1045.49	0.16	0.00	-5.00	
7930.00	1.90	151.80	7726.46	-407.93	-970.87	1045.42	1.00	1.00	-1.00	
7940.00	1.90	152.20	7736.45	-408.22	-970.71	1045.35	0.13	0.00	4.00	
7950.00	1.90	151.10	7746.45	-408.51	-970.55	1045.28	0.36	0.00	-11.00	
7960.00	1.90	149.50	7756.44	-408.80	-970.39	1045.20	0.53	0.00	-16.00	
7970.00	1.80	149.50	7766.44	-409.08	-970.23	1045.12	1.00	-1.00	0.00	
7980.00	1.80	147.90	7776.43	-409.35	-970.06	1045.03	0.50	0.00	-16.00	
7990.00	1.90	145.50	7786.43	-409.62	-969.88	1044.94	1.26	1.00	-24.00	
8000.00	1.90	144.50	7796.42	-409.89	-969.69	1044.83	0.33	0.00	-10.00	
8010.00	1.90	147.60	7806.42	-410.16	-969.51	1044.72	1.03	0.00	31.00	
8020.00	1.90	147.40	7816.41	-410.44	-969.33	1044.63	0.07	0.00	-2.00	
8030.00	1.80	145.70	7826.40	-410.71	-969.15	1044.53	1.14	-1.00	-17.00	
8040.00	1.80	144.70	7836.40	-410.97	-968.97	1044.43	0.31	0.00	-10.00	
8050.00	1.80	148.50	7846.39	-411.23	-968.80	1044.33	1.19	0.00	38.00	
8060.00	1.80	148.40	7856.39	-411.50	-968.64	1044.25	0.03	0.00	-1.00	
8070.00	1.70	147.30	7866.38	-411.76	-968.47	1044.16	1.05	-1.00	-11.00	
8080.00	1.60	148.60	7876.38	-412.00	-968.32	1044.08	1.07	-1.00	13.00	
8090.00	1.60	149.20	7886.38	-412.24	-968.18	1044.01	0.17	0.00	6.00	
8100.00	1.60	149.70	7896.37	-412.48	-968.04	1043.94	0.14	0.00	5.00	
8110.00	1.60	150.20	7906.37	-412.72	-967.90	1043.87	0.14	0.00	5.00	
8120.00	1.60	150.20	7916.37	-412.97	-967.76	1043.80	0.00	0.00	0.00	
8130.00	1.60	150.00	7926.36	-413.21	-967.62	1043.74	0.06	0.00	-2.00	
8140.00	1.60	149.10	7936.36	-413.45	-967.48	1043.67	0.25	0.00	-9.00	
8150.00	1.70	147.00	7946.35	-413.69	-967.32	1043.59	1.17	1.00	-21.00	
8160.00	1.60	148.50	7956.35	-413.94	-967.17	1043.51	1.09	-1.00	15.00	
8170.00	1.60	149.70	7966.35	-414.18	-967.03	1043.43	0.34	0.00	12.00	
8180.00	1.60	149.70	7976.34	-414.42	-966.89	1043.36	0.00	0.00	0.00	
8190.00	1.60	148.60	7986.34	-414.66	-966.74	1043.29	0.31	0.00	-11.00	
8200.00	1.60	147.40	7996.33	-414.89	-966.59	1043.21	0.34	0.00	-12.00	
8210.00	1.50	150.30	8006.33	-415.13	-966.45	1043.14	1.27	-1.00	29.00	
8220.00	1.60	151.00	8016.33	-415.36	-966.32	1043.08	1.02	1.00	7.00	
8230.00	1.60	151.10	8026.32	-415.61	-966.19	1043.02	0.03	0.00	1.00	
8240.00	1.70	152.10	8036.32	-415.86	-966.05	1042.95	1.04	1.00	10.00	
8250.00	1.80	149.80	8046.31	-416.13	-965.90	1042.88	1.22	1.00	-23.00	

Ryan Energy Technologies
Survey Report

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 15:59:22	**Page:**	11
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
8260.00	1.80	149.70	8056.31	-416.40	-965.74	1042.81	0.03	0.00	-1.00	

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System: US State Plane Coordinate System 1983 — **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: HCU # 3-33F
Sec 33, T10S, R20E
Uintah Co, Utah

Site Position: **Northing:** 7141249.77 ft — **Latitude:** 39 54 36.380 N
From: Geographic **Easting:** 2153929.56 ft — **Longitude:** 109 40 9.100 W
Position Uncertainty: 0.00 ft — **North Reference:** True
Ground Level: 5215.00 ft — **Grid Convergence:** 1.17 deg

Well: HCU 3-33F — **Slot Name:**

Well Position: +N/-S 0.00 ft **Northing:** 7141249.77 ft — **Latitude:** 39 54 36.380 N
+E/-W 0.00 ft **Easting :** 2153929.56 ft — **Longitude:** 109 40 9.100 W
Position Uncertainty: 0.00 ft

Wellpath: Original Hole — **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: Est RKB — **Height** 5235.00 ft — **Above System Datum:** Mean Sea Level
Magnetic Data: 3/22/2007 — **Declination:** 11.67 deg
Field Strength: 52736 nT — **Mag Dip Angle:** 65.87 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	254.13

Survey Program for Definitive Wellpath
Date: 4/17/2007 **Validated:** No **Version:** 4

Actual From ft	To ft	Survey	Toolcode	Tool Name
567.00	3559.00	Survey #1 (567.00-3559.00)	MWD	MWD
3570.00	8260.00	Survey #3 (3570.00-8260.00)		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
0.00	0.00	0.00	0.00	0.00	0.00	7141249.77	2153929.56	39 54 36.380 N	109 40 9.100 W
567.00	0.60	231.10	566.99	-1.86	-2.31	7141247.86	2153927.29	39 54 36.362 N	109 40 9.130 W
659.00	3.30	270.40	658.93	-2.15	-5.33	7141247.51	2153924.28	39 54 36.359 N	109 40 9.168 W
751.00	7.10	263.10	750.54	-2.81	-13.63	7141246.68	2153916.00	39 54 36.352 N	109 40 9.275 W
842.00	10.30	265.10	840.48	-4.18	-27.32	7141245.03	2153902.33	39 54 36.339 N	109 40 9.451 W
935.00	12.50	260.90	931.64	-6.49	-45.55	7141242.35	2153884.16	39 54 36.316 N	109 40 9.685 W
1030.00	13.80	260.60	1024.14	-9.96	-66.88	7141238.44	2153862.91	39 54 36.281 N	109 40 9.958 W
1126.00	16.40	257.80	1116.82	-14.70	-91.42	7141233.21	2153838.46	39 54 36.235 N	109 40 10.273 W
1221.00	19.40	253.90	1207.22	-21.91	-119.70	7141225.42	2153810.34	39 54 36.163 N	109 40 10.636 W
1316.00	22.50	252.90	1295.93	-31.63	-152.24	7141215.03	2153778.00	39 54 36.067 N	109 40 11.054 W
1411.00	26.10	252.90	1382.50	-43.13	-189.60	7141202.77	2153740.89	39 54 35.954 N	109 40 11.533 W
1506.00	28.10	253.90	1467.06	-55.48	-231.07	7141189.58	2153699.68	39 54 35.832 N	109 40 12.066 W
1601.00	27.80	252.50	1550.98	-68.34	-273.70	7141175.84	2153657.32	39 54 35.704 N	109 40 12.613 W
1696.00	29.20	250.00	1634.47	-82.93	-316.60	7141160.38	2153614.72	39 54 35.560 N	109 40 13.163 W
1792.00	28.50	250.70	1718.56	-98.51	-360.23	7141143.91	2153571.43	39 54 35.406 N	109 40 13.723 W
1886.00	27.70	250.00	1801.48	-113.39	-401.92	7141128.17	2153530.05	39 54 35.259 N	109 40 14.258 W
1981.00	27.80	252.50	1885.55	-127.61	-443.80	7141113.11	2153488.47	39 54 35.119 N	109 40 14.796 W
2078.00	29.40	255.30	1970.72	-140.45	-488.41	7141099.35	2153444.13	39 54 34.992 N	109 40 15.368 W
2173.00	29.20	256.00	2053.56	-151.98	-533.45	7141086.91	2153399.34	39 54 34.878 N	109 40 15.946 W
2268.00	28.80	255.70	2136.65	-163.24	-578.11	7141074.74	2153354.92	39 54 34.767 N	109 40 16.519 W
2363.00	28.00	256.40	2220.22	-174.13	-621.96	7141062.95	2153311.30	39 54 34.659 N	109 40 17.082 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
2460.00	24.80	255.30	2307.09	-184.65	-663.78	7141051.57	2153269.71	39 54 34.555 N	109 40 17.619 W
2554.00	23.40	255.70	2392.90	-194.26	-700.93	7141041.20	2153232.75	39 54 34.460 N	109 40 18.096 W
2649.00	22.50	255.00	2480.38	-203.63	-736.77	7141031.11	2153197.11	39 54 34.367 N	109 40 18.556 W
2743.00	21.80	255.00	2567.44	-212.80	-771.01	7141021.23	2153163.07	39 54 34.277 N	109 40 18.995 W
2839.00	21.20	254.30	2656.76	-222.11	-804.94	7141011.23	2153129.34	39 54 34.185 N	109 40 19.431 W
2934.00	19.70	253.90	2745.77	-231.20	-836.86	7141001.49	2153097.61	39 54 34.095 N	109 40 19.840 W
3029.00	16.60	257.10	2836.03	-238.67	-865.48	7140993.43	2153069.15	39 54 34.021 N	109 40 20.208 W
3124.00	13.60	256.70	2927.74	-244.27	-889.58	7140987.34	2153045.17	39 54 33.966 N	109 40 20.517 W
3219.00	10.00	249.30	3020.73	-249.76	-908.17	7140981.48	2153026.69	39 54 33.911 N	109 40 20.755 W
3314.00	7.70	245.50	3114.59	-255.32	-921.68	7140975.64	2153013.30	39 54 33.856 N	109 40 20.929 W
3409.00	5.20	248.60	3208.98	-259.53	-931.48	7140971.23	2153003.59	39 54 33.815 N	109 40 21.055 W
3559.00	3.60	249.00	3358.53	-263.69	-942.21	7140966.85	2152992.95	39 54 33.774 N	109 40 21.192 W
3570.00	3.20	245.20	3369.51	-263.95	-942.81	7140966.58	2152992.35	39 54 33.771 N	109 40 21.200 W
3580.00	3.30	245.00	3379.50	-264.19	-943.32	7140966.33	2152991.84	39 54 33.769 N	109 40 21.207 W
3590.00	3.30	245.00	3389.48	-264.43	-943.85	7140966.08	2152991.33	39 54 33.766 N	109 40 21.213 W
3600.00	3.40	245.20	3399.46	-264.68	-944.38	7140965.82	2152990.80	39 54 33.764 N	109 40 21.220 W
3610.00	3.40	244.20	3409.45	-264.93	-944.91	7140965.56	2152990.27	39 54 33.761 N	109 40 21.227 W
3620.00	3.30	242.80	3419.43	-265.19	-945.44	7140965.29	2152989.75	39 54 33.759 N	109 40 21.234 W
3630.00	3.20	242.90	3429.41	-265.45	-945.94	7140965.02	2152989.26	39 54 33.756 N	109 40 21.240 W
3640.00	3.20	243.70	3439.40	-265.70	-946.44	7140964.76	2152988.76	39 54 33.754 N	109 40 21.247 W
3650.00	3.30	244.90	3449.38	-265.94	-946.95	7140964.50	2152988.26	39 54 33.751 N	109 40 21.253 W
3660.00	3.30	243.80	3459.36	-266.19	-947.47	7140964.24	2152987.74	39 54 33.749 N	109 40 21.260 W
3670.00	3.30	242.10	3469.35	-266.46	-947.98	7140963.97	2152987.24	39 54 33.746 N	109 40 21.266 W
3680.00	3.30	241.20	3479.33	-266.73	-948.49	7140963.69	2152986.73	39 54 33.744 N	109 40 21.273 W
3690.00	3.30	240.20	3489.32	-267.01	-948.99	7140963.39	2152986.24	39 54 33.741 N	109 40 21.279 W
3700.00	3.30	239.10	3499.30	-267.30	-949.49	7140963.09	2152985.75	39 54 33.738 N	109 40 21.286 W
3710.00	3.30	237.90	3509.28	-267.60	-949.98	7140962.78	2152985.26	39 54 33.735 N	109 40 21.292 W
3720.00	3.30	237.30	3519.27	-267.91	-950.46	7140962.46	2152984.78	39 54 33.732 N	109 40 21.298 W
3730.00	3.30	237.10	3529.25	-268.22	-950.95	7140962.14	2152984.31	39 54 33.729 N	109 40 21.304 W
3740.00	3.30	236.20	3539.23	-268.54	-951.43	7140961.82	2152983.83	39 54 33.726 N	109 40 21.311 W
3750.00	3.30	234.90	3549.22	-268.86	-951.90	7140961.48	2152983.36	39 54 33.722 N	109 40 21.317 W
3760.00	3.30	233.90	3559.20	-269.20	-952.37	7140961.14	2152982.90	39 54 33.719 N	109 40 21.323 W
3770.00	3.20	232.70	3569.18	-269.54	-952.82	7140960.79	2152982.46	39 54 33.716 N	109 40 21.329 W
3780.00	3.30	231.50	3579.17	-269.89	-953.27	7140960.43	2152982.02	39 54 33.712 N	109 40 21.334 W
3790.00	3.30	229.50	3589.15	-270.25	-953.72	7140960.06	2152981.58	39 54 33.709 N	109 40 21.340 W
3800.00	3.20	227.80	3599.13	-270.63	-954.14	7140959.67	2152981.16	39 54 33.705 N	109 40 21.345 W
3810.00	3.30	227.60	3609.12	-271.01	-954.56	7140959.28	2152980.75	39 54 33.701 N	109 40 21.351 W
3820.00	3.30	225.50	3619.10	-271.40	-954.98	7140958.88	2152980.34	39 54 33.697 N	109 40 21.356 W
3830.00	3.30	223.70	3629.09	-271.81	-955.38	7140958.46	2152979.94	39 54 33.693 N	109 40 21.361 W
3840.00	3.30	223.30	3639.07	-272.23	-955.78	7140958.03	2152979.56	39 54 33.689 N	109 40 21.366 W
3850.00	3.30	221.40	3649.05	-272.66	-956.17	7140957.60	2152979.18	39 54 33.685 N	109 40 21.371 W
3860.00	3.20	219.80	3659.04	-273.09	-956.54	7140957.16	2152978.82	39 54 33.681 N	109 40 21.376 W
3870.00	3.30	219.20	3669.02	-273.53	-956.90	7140956.72	2152978.47	39 54 33.676 N	109 40 21.381 W
3880.00	3.30	217.20	3679.00	-273.98	-957.25	7140956.26	2152978.12	39 54 33.672 N	109 40 21.385 W
3890.00	3.30	215.70	3688.99	-274.44	-957.59	7140955.79	2152977.79	39 54 33.667 N	109 40 21.390 W
3900.00	3.30	215.00	3698.97	-274.91	-957.93	7140955.31	2152977.46	39 54 33.663 N	109 40 21.394 W
3910.00	3.30	213.40	3708.95	-275.39	-958.25	7140954.83	2152977.15	39 54 33.658 N	109 40 21.398 W
3920.00	3.20	211.90	3718.94	-275.86	-958.56	7140954.35	2152976.85	39 54 33.653 N	109 40 21.402 W
3930.00	3.10	211.80	3728.92	-276.33	-958.85	7140953.87	2152976.57	39 54 33.649 N	109 40 21.406 W
3940.00	3.20	211.40	3738.91	-276.80	-959.14	7140953.40	2152976.30	39 54 33.644 N	109 40 21.410 W
3950.00	3.10	210.00	3748.89	-277.27	-959.42	7140952.92	2152976.02	39 54 33.639 N	109 40 21.413 W
3960.00	3.10	209.70	3758.88	-277.74	-959.68	7140952.45	2152975.76	39 54 33.635 N	109 40 21.417 W
3970.00	3.10	209.50	3768.86	-278.21	-959.95	7140951.97	2152975.51	39 54 33.630 N	109 40 21.420 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	3
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
3980.00	3.20	207.70	3778.85	-278.69	-960.21	7140951.48	2152975.25	39 54 33.625 N	109 40 21.423 W
3990.00	3.20	206.50	3788.83	-279.19	-960.47	7140950.98	2152975.01	39 54 33.620 N	109 40 21.427 W
4000.00	3.20	206.80	3798.82	-279.69	-960.72	7140950.48	2152974.77	39 54 33.615 N	109 40 21.430 W
4010.00	3.10	206.80	3808.80	-280.18	-960.97	7140949.98	2152974.53	39 54 33.611 N	109 40 21.433 W
4020.00	3.10	206.90	3818.79	-280.66	-961.21	7140949.50	2152974.30	39 54 33.606 N	109 40 21.436 W
4030.00	3.00	206.50	3828.77	-281.14	-961.45	7140949.02	2152974.07	39 54 33.601 N	109 40 21.439 W
4040.00	2.90	206.60	3838.76	-281.60	-961.68	7140948.55	2152973.85	39 54 33.597 N	109 40 21.442 W
4050.00	2.90	205.80	3848.75	-282.05	-961.90	7140948.09	2152973.63	39 54 33.592 N	109 40 21.445 W
4060.00	2.90	205.40	3858.73	-282.51	-962.12	7140947.63	2152973.43	39 54 33.588 N	109 40 21.448 W
4070.00	2.80	204.50	3868.72	-282.96	-962.33	7140947.18	2152973.22	39 54 33.583 N	109 40 21.451 W
4080.00	2.90	204.30	3878.71	-283.41	-962.54	7140946.72	2152973.03	39 54 33.579 N	109 40 21.453 W
4090.00	2.90	203.90	3888.70	-283.87	-962.74	7140946.25	2152972.83	39 54 33.574 N	109 40 21.456 W
4100.00	2.80	204.50	3898.68	-284.33	-962.95	7140945.80	2152972.64	39 54 33.570 N	109 40 21.458 W
4110.00	2.80	203.80	3908.67	-284.77	-963.15	7140945.35	2152972.45	39 54 33.565 N	109 40 21.461 W
4120.00	2.80	203.10	3918.66	-285.22	-963.34	7140944.89	2152972.26	39 54 33.561 N	109 40 21.464 W
4130.00	2.80	203.30	3928.65	-285.67	-963.53	7140944.44	2152972.08	39 54 33.556 N	109 40 21.466 W
4140.00	2.80	203.50	3938.64	-286.12	-963.73	7140943.99	2152971.89	39 54 33.552 N	109 40 21.468 W
4150.00	2.80	203.00	3948.62	-286.57	-963.92	7140943.54	2152971.71	39 54 33.548 N	109 40 21.471 W
4160.00	2.80	203.10	3958.61	-287.02	-964.11	7140943.08	2152971.53	39 54 33.543 N	109 40 21.473 W
4170.00	2.80	203.10	3968.60	-287.46	-964.30	7140942.63	2152971.34	39 54 33.539 N	109 40 21.476 W
4180.00	2.70	202.40	3978.59	-287.91	-964.49	7140942.18	2152971.17	39 54 33.534 N	109 40 21.478 W
4190.00	2.70	203.00	3988.58	-288.34	-964.67	7140941.75	2152971.00	39 54 33.530 N	109 40 21.481 W
4200.00	2.70	202.70	3998.57	-288.78	-964.85	7140941.31	2152970.82	39 54 33.526 N	109 40 21.483 W
4210.00	2.60	203.80	4008.56	-289.20	-965.04	7140940.88	2152970.65	39 54 33.521 N	109 40 21.485 W
4220.00	2.60	202.60	4018.55	-289.62	-965.22	7140940.46	2152970.48	39 54 33.517 N	109 40 21.488 W
4230.00	2.70	202.90	4028.53	-290.04	-965.39	7140940.03	2152970.31	39 54 33.513 N	109 40 21.490 W
4240.00	2.70	202.30	4038.52	-290.48	-965.58	7140939.59	2152970.14	39 54 33.509 N	109 40 21.492 W
4250.00	2.60	201.20	4048.51	-290.91	-965.75	7140939.16	2152969.97	39 54 33.505 N	109 40 21.494 W
4260.00	2.60	201.60	4058.50	-291.33	-965.91	7140938.73	2152969.82	39 54 33.500 N	109 40 21.496 W
4270.00	2.70	201.40	4068.49	-291.76	-966.08	7140938.30	2152969.66	39 54 33.496 N	109 40 21.499 W
4280.00	2.70	202.50	4078.48	-292.20	-966.26	7140937.86	2152969.49	39 54 33.492 N	109 40 21.501 W
4290.00	2.70	201.20	4088.47	-292.63	-966.43	7140937.42	2152969.32	39 54 33.488 N	109 40 21.503 W
4300.00	2.60	200.80	4098.46	-293.07	-966.60	7140936.98	2152969.17	39 54 33.483 N	109 40 21.505 W
4310.00	2.60	200.20	4108.45	-293.49	-966.76	7140936.55	2152969.02	39 54 33.479 N	109 40 21.507 W
4320.00	2.60	200.90	4118.44	-293.92	-966.92	7140936.13	2152968.86	39 54 33.475 N	109 40 21.509 W
4330.00	2.60	200.40	4128.43	-294.34	-967.08	7140935.70	2152968.71	39 54 33.471 N	109 40 21.511 W
4340.00	2.60	201.20	4138.42	-294.76	-967.24	7140935.27	2152968.56	39 54 33.466 N	109 40 21.513 W
4350.00	2.60	200.90	4148.41	-295.19	-967.40	7140934.85	2152968.41	39 54 33.462 N	109 40 21.516 W
4360.00	2.60	200.00	4158.40	-295.61	-967.56	7140934.42	2152968.26	39 54 33.458 N	109 40 21.518 W
4370.00	2.60	199.40	4168.39	-296.04	-967.71	7140933.99	2152968.11	39 54 33.454 N	109 40 21.520 W
4380.00	2.60	199.30	4178.38	-296.47	-967.86	7140933.56	2152967.97	39 54 33.450 N	109 40 21.522 W
4390.00	2.50	199.80	4188.37	-296.89	-968.01	7140933.13	2152967.83	39 54 33.445 N	109 40 21.523 W
4400.00	2.50	198.40	4198.36	-297.30	-968.15	7140932.72	2152967.70	39 54 33.441 N	109 40 21.525 W
4410.00	2.50	198.90	4208.35	-297.71	-968.29	7140932.30	2152967.57	39 54 33.437 N	109 40 21.527 W
4420.00	2.50	199.20	4218.34	-298.13	-968.44	7140931.89	2152967.43	39 54 33.433 N	109 40 21.529 W
4430.00	2.40	197.30	4228.33	-298.53	-968.57	7140931.48	2152967.31	39 54 33.429 N	109 40 21.531 W
4440.00	2.40	197.00	4238.32	-298.93	-968.69	7140931.08	2152967.19	39 54 33.425 N	109 40 21.532 W
4450.00	2.40	196.40	4248.31	-299.33	-968.81	7140930.67	2152967.08	39 54 33.421 N	109 40 21.534 W
4460.00	2.40	195.70	4258.30	-299.73	-968.93	7140930.27	2152966.97	39 54 33.417 N	109 40 21.535 W
4470.00	2.40	195.50	4268.29	-300.14	-969.04	7140929.86	2152966.87	39 54 33.413 N	109 40 21.537 W
4480.00	2.40	195.40	4278.29	-300.54	-969.15	7140929.46	2152966.76	39 54 33.409 N	109 40 21.538 W
4490.00	2.40	195.70	4288.28	-300.94	-969.27	7140929.05	2152966.66	39 54 33.405 N	109 40 21.540 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	4
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
4500.00	2.30	196.00	4298.27	-301.34	-969.38	7140928.65	2152966.56	39 54 33.401 N	109 40 21.541 W
4510.00	2.30	196.00	4308.26	-301.73	-969.49	7140928.27	2152966.45	39 54 33.398 N	109 40 21.542 W
4520.00	2.40	195.70	4318.25	-302.12	-969.60	7140927.87	2152966.35	39 54 33.394 N	109 40 21.544 W
4530.00	2.30	196.40	4328.24	-302.51	-969.71	7140927.47	2152966.24	39 54 33.390 N	109 40 21.545 W
4540.00	2.30	196.40	4338.24	-302.90	-969.83	7140927.09	2152966.14	39 54 33.386 N	109 40 21.547 W
4550.00	2.30	195.60	4348.23	-303.28	-969.94	7140926.70	2152966.04	39 54 33.382 N	109 40 21.548 W
4560.00	2.30	195.50	4358.22	-303.67	-970.05	7140926.31	2152965.94	39 54 33.378 N	109 40 21.550 W
4570.00	2.30	196.20	4368.21	-304.06	-970.16	7140925.92	2152965.83	39 54 33.375 N	109 40 21.551 W
4580.00	2.30	195.60	4378.20	-304.44	-970.27	7140925.53	2152965.73	39 54 33.371 N	109 40 21.552 W
4590.00	2.20	196.00	4388.20	-304.82	-970.37	7140925.15	2152965.63	39 54 33.367 N	109 40 21.554 W
4600.00	2.30	195.20	4398.19	-305.20	-970.48	7140924.77	2152965.54	39 54 33.363 N	109 40 21.555 W
4610.00	2.30	195.30	4408.18	-305.59	-970.58	7140924.38	2152965.44	39 54 33.360 N	109 40 21.556 W
4620.00	2.30	194.40	4418.17	-305.97	-970.69	7140923.99	2152965.34	39 54 33.356 N	109 40 21.558 W
4630.00	2.30	193.90	4428.16	-306.36	-970.78	7140923.60	2152965.25	39 54 33.352 N	109 40 21.559 W
4640.00	2.30	194.40	4438.16	-306.75	-970.88	7140923.21	2152965.16	39 54 33.348 N	109 40 21.560 W
4650.00	2.30	193.40	4448.15	-307.14	-970.98	7140922.82	2152965.07	39 54 33.344 N	109 40 21.561 W
4660.00	2.30	194.20	4458.14	-307.53	-971.07	7140922.43	2152964.99	39 54 33.340 N	109 40 21.563 W
4670.00	2.30	194.30	4468.13	-307.92	-971.17	7140922.04	2152964.90	39 54 33.336 N	109 40 21.564 W
4680.00	2.20	194.50	4478.12	-308.30	-971.27	7140921.66	2152964.81	39 54 33.333 N	109 40 21.565 W
4690.00	2.20	193.90	4488.12	-308.67	-971.37	7140921.28	2152964.72	39 54 33.329 N	109 40 21.566 W
4700.00	2.20	195.20	4498.11	-309.04	-971.46	7140920.91	2152964.63	39 54 33.325 N	109 40 21.568 W
4710.00	2.20	194.60	4508.10	-309.42	-971.56	7140920.54	2152964.54	39 54 33.322 N	109 40 21.569 W
4720.00	2.20	192.50	4518.09	-309.79	-971.65	7140920.16	2152964.46	39 54 33.318 N	109 40 21.570 W
4730.00	2.20	191.80	4528.09	-310.16	-971.73	7140919.78	2152964.38	39 54 33.314 N	109 40 21.571 W
4740.00	2.20	192.20	4538.08	-310.54	-971.81	7140919.41	2152964.31	39 54 33.311 N	109 40 21.572 W
4750.00	2.20	192.10	4548.07	-310.91	-971.89	7140919.03	2152964.24	39 54 33.307 N	109 40 21.573 W
4760.00	2.20	193.90	4558.06	-311.29	-971.98	7140918.65	2152964.16	39 54 33.303 N	109 40 21.574 W
4770.00	2.20	193.40	4568.06	-311.66	-972.07	7140918.28	2152964.08	39 54 33.299 N	109 40 21.575 W
4780.00	2.20	193.30	4578.05	-312.04	-972.16	7140917.90	2152964.00	39 54 33.296 N	109 40 21.577 W
4790.00	2.30	192.80	4588.04	-312.42	-972.25	7140917.52	2152963.92	39 54 33.292 N	109 40 21.578 W
4800.00	2.30	193.10	4598.03	-312.81	-972.34	7140917.13	2152963.83	39 54 33.288 N	109 40 21.579 W
4810.00	2.30	193.30	4608.03	-313.20	-972.43	7140916.73	2152963.75	39 54 33.284 N	109 40 21.580 W
4820.00	2.30	192.60	4618.02	-313.59	-972.52	7140916.34	2152963.67	39 54 33.280 N	109 40 21.581 W
4830.00	2.40	192.70	4628.01	-313.99	-972.61	7140915.94	2152963.59	39 54 33.276 N	109 40 21.582 W
4840.00	2.30	192.80	4638.00	-314.39	-972.70	7140915.54	2152963.50	39 54 33.273 N	109 40 21.584 W
4850.00	2.20	193.00	4647.99	-314.77	-972.79	7140915.15	2152963.43	39 54 33.269 N	109 40 21.585 W
4860.00	2.30	193.30	4657.99	-315.16	-972.87	7140914.77	2152963.34	39 54 33.265 N	109 40 21.586 W
4870.00	2.40	193.00	4667.98	-315.55	-972.97	7140914.37	2152963.26	39 54 33.261 N	109 40 21.587 W
4880.00	2.40	193.50	4677.97	-315.96	-973.06	7140913.96	2152963.17	39 54 33.257 N	109 40 21.588 W
4890.00	2.30	192.90	4687.96	-316.36	-973.16	7140913.56	2152963.09	39 54 33.253 N	109 40 21.589 W
4900.00	2.40	192.90	4697.95	-316.76	-973.25	7140913.16	2152963.00	39 54 33.249 N	109 40 21.591 W
4910.00	2.30	192.60	4707.94	-317.16	-973.34	7140912.76	2152962.92	39 54 33.245 N	109 40 21.592 W
4920.00	2.40	193.30	4717.93	-317.56	-973.43	7140912.35	2152962.84	39 54 33.241 N	109 40 21.593 W
4930.00	2.30	192.30	4727.93	-317.96	-973.52	7140911.95	2152962.75	39 54 33.237 N	109 40 21.594 W
4940.00	2.30	191.60	4737.92	-318.35	-973.61	7140911.56	2152962.68	39 54 33.233 N	109 40 21.595 W
4950.00	2.30	191.60	4747.91	-318.75	-973.69	7140911.16	2152962.61	39 54 33.229 N	109 40 21.596 W
4960.00	2.30	191.60	4757.90	-319.14	-973.77	7140910.77	2152962.53	39 54 33.226 N	109 40 21.597 W
4970.00	2.20	191.90	4767.89	-319.52	-973.85	7140910.38	2152962.46	39 54 33.222 N	109 40 21.598 W
4980.00	2.20	191.80	4777.89	-319.90	-973.93	7140910.01	2152962.39	39 54 33.218 N	109 40 21.599 W
4990.00	2.20	191.50	4787.88	-320.28	-974.00	7140909.63	2152962.32	39 54 33.214 N	109 40 21.600 W
5000.00	2.10	191.10	4797.87	-320.64	-974.08	7140909.26	2152962.25	39 54 33.211 N	109 40 21.601 W
5010.00	2.20	191.20	4807.87	-321.01	-974.15	7140908.89	2152962.19	39 54 33.207 N	109 40 21.602 W
5020.00	2.10	190.50	4817.86	-321.38	-974.22	7140908.52	2152962.13	39 54 33.203 N	109 40 21.603 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	5
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
5030.00	2.10	190.60	4827.85	-321.74	-974.29	7140908.16	2152962.07	39 54 33.200 N	109 40 21.604 W
5040.00	2.20	189.80	4837.84	-322.11	-974.35	7140907.79	2152962.01	39 54 33.196 N	109 40 21.605 W
5050.00	2.20	190.60	4847.84	-322.49	-974.42	7140907.41	2152961.95	39 54 33.192 N	109 40 21.606 W
5060.00	2.20	191.00	4857.83	-322.86	-974.49	7140907.03	2152961.88	39 54 33.189 N	109 40 21.607 W
5070.00	2.20	190.40	4867.82	-323.24	-974.56	7140906.65	2152961.82	39 54 33.185 N	109 40 21.608 W
5080.00	2.10	189.50	4877.82	-323.61	-974.63	7140906.28	2152961.76	39 54 33.181 N	109 40 21.608 W
5090.00	2.10	190.00	4887.81	-323.97	-974.69	7140905.92	2152961.71	39 54 33.178 N	109 40 21.609 W
5100.00	2.10	190.50	4897.80	-324.33	-974.76	7140905.56	2152961.65	39 54 33.174 N	109 40 21.610 W
5110.00	2.10	190.40	4907.80	-324.69	-974.82	7140905.19	2152961.59	39 54 33.171 N	109 40 21.611 W
5120.00	2.10	190.80	4917.79	-325.05	-974.89	7140904.83	2152961.53	39 54 33.167 N	109 40 21.612 W
5130.00	2.10	190.00	4927.78	-325.41	-974.96	7140904.47	2152961.47	39 54 33.164 N	109 40 21.613 W
5140.00	2.00	190.30	4937.78	-325.77	-975.02	7140904.12	2152961.42	39 54 33.160 N	109 40 21.613 W
5150.00	2.00	190.60	4947.77	-326.11	-975.08	7140903.77	2152961.36	39 54 33.157 N	109 40 21.614 W
5160.00	2.00	189.90	4957.76	-326.45	-975.15	7140903.43	2152961.30	39 54 33.153 N	109 40 21.615 W
5170.00	2.00	190.60	4967.76	-326.80	-975.21	7140903.08	2152961.25	39 54 33.150 N	109 40 21.616 W
5180.00	1.90	190.50	4977.75	-327.13	-975.27	7140902.75	2152961.19	39 54 33.147 N	109 40 21.617 W
5190.00	1.90	192.30	4987.75	-327.46	-975.34	7140902.42	2152961.14	39 54 33.143 N	109 40 21.617 W
5200.00	2.00	192.70	4997.74	-327.79	-975.41	7140902.09	2152961.07	39 54 33.140 N	109 40 21.618 W
5210.00	2.00	192.80	5007.73	-328.13	-975.49	7140901.75	2152961.00	39 54 33.137 N	109 40 21.619 W
5220.00	2.00	193.60	5017.73	-328.47	-975.57	7140901.41	2152960.93	39 54 33.133 N	109 40 21.620 W
5230.00	2.00	194.40	5027.72	-328.81	-975.65	7140901.07	2152960.85	39 54 33.130 N	109 40 21.621 W
5240.00	2.00	194.90	5037.72	-329.14	-975.74	7140900.73	2152960.77	39 54 33.127 N	109 40 21.623 W
5250.00	2.00	195.60	5047.71	-329.48	-975.83	7140900.39	2152960.68	39 54 33.123 N	109 40 21.624 W
5260.00	2.00	195.40	5057.70	-329.82	-975.92	7140900.05	2152960.60	39 54 33.120 N	109 40 21.625 W
5270.00	1.90	196.30	5067.70	-330.14	-976.02	7140899.72	2152960.51	39 54 33.117 N	109 40 21.626 W
5280.00	1.90	196.90	5077.69	-330.46	-976.11	7140899.40	2152960.42	39 54 33.114 N	109 40 21.627 W
5290.00	1.90	197.20	5087.69	-330.78	-976.21	7140899.08	2152960.33	39 54 33.111 N	109 40 21.629 W
5300.00	1.90	198.60	5097.68	-331.09	-976.31	7140898.76	2152960.24	39 54 33.107 N	109 40 21.630 W
5310.00	1.90	198.30	5107.68	-331.41	-976.41	7140898.45	2152960.14	39 54 33.104 N	109 40 21.631 W
5320.00	1.90	198.50	5117.67	-331.72	-976.52	7140898.13	2152960.04	39 54 33.101 N	109 40 21.633 W
5330.00	1.80	198.70	5127.67	-332.03	-976.62	7140897.82	2152959.94	39 54 33.098 N	109 40 21.634 W
5340.00	1.80	198.70	5137.66	-332.33	-976.72	7140897.52	2152959.85	39 54 33.095 N	109 40 21.635 W
5350.00	1.80	199.30	5147.66	-332.62	-976.83	7140897.22	2152959.75	39 54 33.092 N	109 40 21.637 W
5360.00	1.90	198.80	5157.65	-332.93	-976.93	7140896.92	2152959.65	39 54 33.089 N	109 40 21.638 W
5370.00	1.90	198.50	5167.64	-333.24	-977.04	7140896.60	2152959.55	39 54 33.086 N	109 40 21.639 W
5380.00	1.80	199.80	5177.64	-333.55	-977.14	7140896.29	2152959.45	39 54 33.083 N	109 40 21.641 W
5390.00	1.90	199.40	5187.63	-333.85	-977.25	7140895.99	2152959.35	39 54 33.080 N	109 40 21.642 W
5400.00	2.00	199.60	5197.63	-334.17	-977.36	7140895.66	2152959.24	39 54 33.077 N	109 40 21.643 W
5410.00	1.90	199.70	5207.62	-334.49	-977.48	7140895.34	2152959.14	39 54 33.074 N	109 40 21.645 W
5420.00	1.90	199.40	5217.62	-334.81	-977.59	7140895.03	2152959.03	39 54 33.071 N	109 40 21.646 W
5430.00	1.90	199.90	5227.61	-335.12	-977.70	7140894.71	2152958.93	39 54 33.068 N	109 40 21.648 W
5440.00	1.90	200.40	5237.61	-335.43	-977.82	7140894.40	2152958.82	39 54 33.065 N	109 40 21.649 W
5450.00	1.90	199.90	5247.60	-335.74	-977.93	7140894.09	2152958.71	39 54 33.061 N	109 40 21.651 W
5460.00	1.90	199.40	5257.60	-336.05	-978.04	7140893.77	2152958.61	39 54 33.058 N	109 40 21.652 W
5470.00	1.90	199.10	5267.59	-336.37	-978.15	7140893.46	2152958.50	39 54 33.055 N	109 40 21.654 W
5480.00	1.90	199.40	5277.58	-336.68	-978.26	7140893.14	2152958.40	39 54 33.052 N	109 40 21.655 W
5490.00	1.90	199.30	5287.58	-336.99	-978.37	7140892.83	2152958.30	39 54 33.049 N	109 40 21.656 W
5500.00	1.80	200.40	5297.57	-337.30	-978.48	7140892.52	2152958.19	39 54 33.046 N	109 40 21.658 W
5510.00	1.80	201.00	5307.57	-337.59	-978.59	7140892.22	2152958.09	39 54 33.043 N	109 40 21.659 W
5520.00	1.80	196.50	5317.56	-337.89	-978.69	7140891.92	2152957.99	39 54 33.040 N	109 40 21.660 W
5530.00	1.80	198.40	5327.56	-338.19	-978.79	7140891.62	2152957.91	39 54 33.037 N	109 40 21.662 W
5540.00	1.80	200.70	5337.55	-338.48	-978.89	7140891.32	2152957.81	39 54 33.034 N	109 40 21.663 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	6
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
5550.00	1.80	200.90	5347.55	-338.78	-979.00	7140891.03	2152957.70	39 54 33.031 N	109 40 21.664 W
5560.00	1.80	200.60	5357.54	-339.07	-979.11	7140890.73	2152957.60	39 54 33.029 N	109 40 21.666 W
5570.00	1.90	199.50	5367.54	-339.37	-979.22	7140890.43	2152957.49	39 54 33.026 N	109 40 21.667 W
5580.00	1.80	200.60	5377.53	-339.68	-979.33	7140890.12	2152957.39	39 54 33.023 N	109 40 21.669 W
5590.00	1.80	202.40	5387.53	-339.97	-979.45	7140889.83	2152957.28	39 54 33.020 N	109 40 21.670 W
5600.00	1.80	200.20	5397.52	-340.26	-979.56	7140889.53	2152957.17	39 54 33.017 N	109 40 21.672 W
5610.00	1.80	199.50	5407.52	-340.56	-979.67	7140889.24	2152957.07	39 54 33.014 N	109 40 21.673 W
5620.00	1.90	200.40	5417.51	-340.86	-979.78	7140888.93	2152956.97	39 54 33.011 N	109 40 21.674 W
5630.00	1.80	200.90	5427.51	-341.16	-979.89	7140888.63	2152956.86	39 54 33.008 N	109 40 21.676 W
5640.00	1.80	200.10	5437.50	-341.46	-980.00	7140888.33	2152956.75	39 54 33.005 N	109 40 21.677 W
5650.00	1.80	201.30	5447.50	-341.75	-980.12	7140888.03	2152956.65	39 54 33.002 N	109 40 21.679 W
5660.00	1.80	199.90	5457.49	-342.04	-980.23	7140887.74	2152956.54	39 54 32.999 N	109 40 21.680 W
5670.00	1.80	197.30	5467.49	-342.34	-980.33	7140887.44	2152956.45	39 54 32.996 N	109 40 21.681 W
5680.00	1.80	196.90	5477.48	-342.64	-980.42	7140887.14	2152956.36	39 54 32.993 N	109 40 21.683 W
5690.00	1.80	195.40	5487.48	-342.94	-980.51	7140886.83	2152956.28	39 54 32.990 N	109 40 21.684 W
5700.00	1.90	193.80	5497.47	-343.26	-980.59	7140886.52	2152956.21	39 54 32.987 N	109 40 21.685 W
5710.00	1.90	195.80	5507.47	-343.58	-980.67	7140886.20	2152956.13	39 54 32.984 N	109 40 21.686 W
5720.00	1.90	193.80	5517.46	-343.90	-980.76	7140885.87	2152956.05	39 54 32.981 N	109 40 21.687 W
5730.00	2.00	193.50	5527.46	-344.23	-980.84	7140885.54	2152955.98	39 54 32.978 N	109 40 21.688 W
5740.00	2.00	193.70	5537.45	-344.57	-980.92	7140885.20	2152955.90	39 54 32.974 N	109 40 21.689 W
5750.00	2.00	193.40	5547.44	-344.91	-981.00	7140884.86	2152955.83	39 54 32.971 N	109 40 21.690 W
5760.00	2.00	193.40	5557.44	-345.25	-981.08	7140884.52	2152955.75	39 54 32.968 N	109 40 21.691 W
5770.00	2.00	193.90	5567.43	-345.58	-981.16	7140884.18	2152955.68	39 54 32.964 N	109 40 21.692 W
5780.00	1.90	192.10	5577.43	-345.92	-981.24	7140883.84	2152955.61	39 54 32.961 N	109 40 21.693 W
5790.00	1.90	193.80	5587.42	-346.24	-981.31	7140883.52	2152955.54	39 54 32.958 N	109 40 21.694 W
5800.00	1.90	191.60	5597.42	-346.56	-981.39	7140883.20	2152955.48	39 54 32.955 N	109 40 21.695 W
5810.00	1.90	190.10	5607.41	-346.89	-981.45	7140882.87	2152955.42	39 54 32.951 N	109 40 21.696 W
5820.00	2.00	188.90	5617.40	-347.22	-981.51	7140882.53	2152955.37	39 54 32.948 N	109 40 21.697 W
5830.00	1.90	190.80	5627.40	-347.56	-981.56	7140882.20	2152955.32	39 54 32.945 N	109 40 21.697 W
5840.00	1.90	189.00	5637.39	-347.89	-981.62	7140881.87	2152955.27	39 54 32.941 N	109 40 21.698 W
5850.00	2.00	188.80	5647.39	-348.22	-981.67	7140881.53	2152955.22	39 54 32.938 N	109 40 21.699 W
5860.00	2.00	188.80	5657.38	-348.57	-981.73	7140881.18	2152955.18	39 54 32.935 N	109 40 21.699 W
5870.00	1.90	188.90	5667.38	-348.90	-981.78	7140880.85	2152955.13	39 54 32.931 N	109 40 21.700 W
5880.00	1.90	186.90	5677.37	-349.23	-981.82	7140880.52	2152955.09	39 54 32.928 N	109 40 21.701 W
5890.00	1.90	186.50	5687.36	-349.56	-981.86	7140880.19	2152955.06	39 54 32.925 N	109 40 21.701 W
5900.00	1.90	187.10	5697.36	-349.89	-981.90	7140879.86	2152955.03	39 54 32.922 N	109 40 21.702 W
5910.00	1.90	186.10	5707.35	-350.22	-981.94	7140879.53	2152955.00	39 54 32.918 N	109 40 21.702 W
5920.00	1.80	186.00	5717.35	-350.54	-981.97	7140879.21	2152954.97	39 54 32.915 N	109 40 21.703 W
5930.00	1.90	185.80	5727.34	-350.86	-982.01	7140878.88	2152954.94	39 54 32.912 N	109 40 21.703 W
5940.00	1.80	185.50	5737.34	-351.18	-982.04	7140878.56	2152954.92	39 54 32.909 N	109 40 21.703 W
5950.00	1.80	183.40	5747.33	-351.50	-982.06	7140878.25	2152954.90	39 54 32.906 N	109 40 21.704 W
5960.00	1.70	183.40	5757.33	-351.80	-982.08	7140877.94	2152954.89	39 54 32.903 N	109 40 21.704 W
5970.00	1.80	183.10	5767.32	-352.11	-982.10	7140877.64	2152954.88	39 54 32.900 N	109 40 21.704 W
5980.00	1.80	183.00	5777.32	-352.42	-982.12	7140877.33	2152954.87	39 54 32.897 N	109 40 21.704 W
5990.00	1.80	183.00	5787.31	-352.73	-982.13	7140877.01	2152954.86	39 54 32.894 N	109 40 21.705 W
6000.00	1.70	181.50	5797.31	-353.04	-982.14	7140876.71	2152954.85	39 54 32.891 N	109 40 21.705 W
6010.00	1.70	181.60	5807.30	-353.33	-982.15	7140876.41	2152954.85	39 54 32.888 N	109 40 21.705 W
6020.00	1.70	181.30	5817.30	-353.63	-982.16	7140876.11	2152954.85	39 54 32.885 N	109 40 21.705 W
6030.00	1.80	181.80	5827.30	-353.94	-982.17	7140875.81	2152954.84	39 54 32.882 N	109 40 21.705 W
6040.00	1.80	182.00	5837.29	-354.25	-982.18	7140875.49	2152954.84	39 54 32.879 N	109 40 21.705 W
6050.00	1.80	181.40	5847.29	-354.56	-982.19	7140875.18	2152954.84	39 54 32.875 N	109 40 21.705 W
6060.00	1.70	180.50	5857.28	-354.87	-982.19	7140874.87	2152954.84	39 54 32.872 N	109 40 21.705 W
6070.00	1.70	180.30	5867.28	-355.17	-982.20	7140874.58	2152954.84	39 54 32.869 N	109 40 21.705 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	7
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
6080.00	1.80	180.00	5877.27	-355.47	-982.20	7140874.27	2152954.85	39 54 32.866 N	109 40 21.705 W
6090.00	1.70	179.80	5887.27	-355.78	-982.20	7140873.97	2152954.86	39 54 32.863 N	109 40 21.705 W
6100.00	1.70	180.60	5897.26	-356.07	-982.20	7140873.67	2152954.86	39 54 32.861 N	109 40 21.705 W
6110.00	1.80	181.60	5907.26	-356.38	-982.20	7140873.36	2152954.86	39 54 32.858 N	109 40 21.706 W
6120.00	1.70	181.90	5917.25	-356.68	-982.21	7140873.06	2152954.86	39 54 32.854 N	109 40 21.706 W
6130.00	1.80	182.00	5927.25	-356.99	-982.22	7140872.75	2152954.85	39 54 32.851 N	109 40 21.706 W
6140.00	1.80	181.80	5937.24	-357.30	-982.23	7140872.44	2152954.85	39 54 32.848 N	109 40 21.706 W
6150.00	1.80	182.30	5947.24	-357.62	-982.24	7140872.13	2152954.84	39 54 32.845 N	109 40 21.706 W
6160.00	1.80	182.20	5957.23	-357.93	-982.26	7140871.81	2152954.84	39 54 32.842 N	109 40 21.706 W
6170.00	1.80	182.40	5967.23	-358.24	-982.27	7140871.50	2152954.83	39 54 32.839 N	109 40 21.706 W
6180.00	1.90	182.10	5977.22	-358.57	-982.28	7140871.17	2152954.83	39 54 32.836 N	109 40 21.707 W
6190.00	1.90	182.40	5987.22	-358.90	-982.29	7140870.84	2152954.82	39 54 32.833 N	109 40 21.707 W
6200.00	1.90	182.80	5997.21	-359.23	-982.31	7140870.51	2152954.81	39 54 32.829 N	109 40 21.707 W
6210.00	1.90	182.70	6007.21	-359.56	-982.33	7140870.18	2152954.80	39 54 32.826 N	109 40 21.707 W
6220.00	1.90	183.40	6017.20	-359.89	-982.34	7140869.85	2152954.79	39 54 32.823 N	109 40 21.707 W
6230.00	1.90	182.70	6027.20	-360.22	-982.36	7140869.52	2152954.78	39 54 32.820 N	109 40 21.708 W
6240.00	1.90	182.10	6037.19	-360.55	-982.38	7140869.19	2152954.77	39 54 32.816 N	109 40 21.708 W
6250.00	1.90	181.40	6047.19	-360.89	-982.39	7140868.85	2152954.77	39 54 32.813 N	109 40 21.708 W
6260.00	1.90	181.40	6057.18	-361.22	-982.39	7140868.52	2152954.77	39 54 32.810 N	109 40 21.708 W
6270.00	1.90	181.30	6067.17	-361.55	-982.40	7140868.19	2152954.77	39 54 32.806 N	109 40 21.708 W
6280.00	1.90	181.30	6077.17	-361.88	-982.41	7140867.86	2152954.77	39 54 32.803 N	109 40 21.708 W
6290.00	1.90	181.00	6087.16	-362.21	-982.42	7140867.53	2152954.77	39 54 32.800 N	109 40 21.708 W
6300.00	1.90	180.70	6097.16	-362.54	-982.42	7140867.20	2152954.77	39 54 32.797 N	109 40 21.708 W
6310.00	1.90	180.70	6107.15	-362.87	-982.42	7140866.87	2152954.77	39 54 32.793 N	109 40 21.708 W
6320.00	1.90	180.20	6117.15	-363.21	-982.43	7140866.53	2152954.78	39 54 32.790 N	109 40 21.708 W
6330.00	1.90	179.70	6127.14	-363.54	-982.43	7140866.20	2152954.78	39 54 32.787 N	109 40 21.708 W
6340.00	1.90	179.30	6137.14	-363.87	-982.42	7140865.87	2152954.79	39 54 32.783 N	109 40 21.708 W
6350.00	1.80	178.00	6147.13	-364.19	-982.42	7140865.55	2152954.81	39 54 32.780 N	109 40 21.708 W
6360.00	1.80	177.80	6157.13	-364.51	-982.40	7140865.23	2152954.83	39 54 32.777 N	109 40 21.708 W
6370.00	1.80	176.40	6167.12	-364.82	-982.39	7140864.92	2152954.85	39 54 32.774 N	109 40 21.708 W
6380.00	1.80	176.00	6177.12	-365.13	-982.37	7140864.61	2152954.88	39 54 32.771 N	109 40 21.708 W
6390.00	1.80	176.10	6187.11	-365.45	-982.35	7140864.30	2152954.90	39 54 32.768 N	109 40 21.707 W
6400.00	1.80	175.80	6197.11	-365.76	-982.32	7140863.98	2152954.93	39 54 32.765 N	109 40 21.707 W
6410.00	1.80	174.80	6207.10	-366.07	-982.30	7140863.67	2152954.96	39 54 32.762 N	109 40 21.707 W
6420.00	1.70	174.10	6217.10	-366.38	-982.27	7140863.37	2152955.00	39 54 32.759 N	109 40 21.706 W
6430.00	1.70	174.90	6227.09	-366.67	-982.24	7140863.07	2152955.03	39 54 32.756 N	109 40 21.706 W
6440.00	1.70	174.00	6237.09	-366.97	-982.21	7140862.78	2152955.07	39 54 32.753 N	109 40 21.706 W
6450.00	1.70	174.50	6247.08	-367.26	-982.18	7140862.48	2152955.10	39 54 32.750 N	109 40 21.705 W
6460.00	1.70	175.60	6257.08	-367.56	-982.16	7140862.19	2152955.14	39 54 32.747 N	109 40 21.705 W
6470.00	1.70	174.50	6267.07	-367.85	-982.13	7140861.89	2152955.17	39 54 32.744 N	109 40 21.705 W
6480.00	1.70	174.80	6277.07	-368.15	-982.10	7140861.60	2152955.20	39 54 32.741 N	109 40 21.704 W
6490.00	1.70	175.10	6287.07	-368.44	-982.08	7140861.30	2152955.23	39 54 32.738 N	109 40 21.704 W
6500.00	1.70	175.30	6297.06	-368.74	-982.05	7140861.01	2152955.26	39 54 32.735 N	109 40 21.704 W
6510.00	1.70	176.00	6307.06	-369.04	-982.03	7140860.71	2152955.29	39 54 32.732 N	109 40 21.703 W
6520.00	1.70	175.50	6317.05	-369.33	-982.01	7140860.42	2152955.32	39 54 32.729 N	109 40 21.703 W
6530.00	1.60	174.70	6327.05	-369.62	-981.98	7140860.13	2152955.35	39 54 32.727 N	109 40 21.703 W
6540.00	1.60	174.90	6337.04	-369.90	-981.96	7140859.85	2152955.38	39 54 32.724 N	109 40 21.702 W
6550.00	1.60	175.40	6347.04	-370.17	-981.93	7140859.58	2152955.41	39 54 32.721 N	109 40 21.702 W
6560.00	1.60	176.20	6357.04	-370.45	-981.91	7140859.30	2152955.44	39 54 32.718 N	109 40 21.702 W
6570.00	1.60	177.10	6367.03	-370.73	-981.90	7140859.02	2152955.46	39 54 32.716 N	109 40 21.702 W
6580.00	1.60	178.20	6377.03	-371.01	-981.89	7140858.74	2152955.48	39 54 32.713 N	109 40 21.701 W
6590.00	1.60	177.80	6387.02	-371.29	-981.88	7140858.46	2152955.49	39 54 32.710 N	109 40 21.701 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	8
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
6600.00	1.60	177.50	6397.02	-371.57	-981.86	7140858.18	2152955.51	39 54 32.707 N	109 40 21.701 W
6610.00	1.60	176.80	6407.02	-371.85	-981.85	7140857.91	2152955.53	39 54 32.705 N	109 40 21.701 W
6620.00	1.60	176.70	6417.01	-372.13	-981.84	7140857.63	2152955.55	39 54 32.702 N	109 40 21.701 W
6630.00	1.70	176.00	6427.01	-372.41	-981.82	7140857.34	2152955.58	39 54 32.699 N	109 40 21.701 W
6640.00	1.70	175.30	6437.00	-372.71	-981.79	7140857.05	2152955.60	39 54 32.696 N	109 40 21.700 W
6650.00	1.70	174.70	6447.00	-373.01	-981.77	7140856.75	2152955.64	39 54 32.693 N	109 40 21.700 W
6660.00	1.70	174.80	6457.00	-373.30	-981.74	7140856.46	2152955.67	39 54 32.690 N	109 40 21.700 W
6670.00	1.70	174.90	6466.99	-373.60	-981.71	7140856.16	2152955.70	39 54 32.687 N	109 40 21.699 W
6680.00	1.70	174.30	6476.99	-373.89	-981.69	7140855.87	2152955.74	39 54 32.684 N	109 40 21.699 W
6690.00	1.70	173.30	6486.98	-374.19	-981.65	7140855.57	2152955.77	39 54 32.682 N	109 40 21.698 W
6700.00	1.70	172.60	6496.98	-374.48	-981.62	7140855.28	2152955.82	39 54 32.679 N	109 40 21.698 W
6710.00	1.70	172.80	6506.97	-374.78	-981.58	7140854.98	2152955.86	39 54 32.676 N	109 40 21.698 W
6720.00	1.70	172.60	6516.97	-375.07	-981.54	7140854.69	2152955.90	39 54 32.673 N	109 40 21.697 W
6730.00	1.70	172.00	6526.96	-375.36	-981.50	7140854.40	2152955.95	39 54 32.670 N	109 40 21.697 W
6740.00	1.70	172.40	6536.96	-375.66	-981.46	7140854.10	2152956.00	39 54 32.667 N	109 40 21.696 W
6750.00	1.70	173.00	6546.96	-375.95	-981.43	7140853.81	2152956.04	39 54 32.664 N	109 40 21.696 W
6760.00	1.80	172.30	6556.95	-376.25	-981.39	7140853.51	2152956.08	39 54 32.661 N	109 40 21.695 W
6770.00	1.80	172.10	6566.95	-376.57	-981.34	7140853.20	2152956.13	39 54 32.658 N	109 40 21.694 W
6780.00	1.80	171.40	6576.94	-376.88	-981.30	7140852.89	2152956.18	39 54 32.655 N	109 40 21.694 W
6790.00	1.80	171.20	6586.94	-377.19	-981.25	7140852.58	2152956.24	39 54 32.652 N	109 40 21.693 W
6800.00	1.80	170.70	6596.93	-377.50	-981.20	7140852.27	2152956.29	39 54 32.649 N	109 40 21.693 W
6810.00	1.80	171.80	6606.93	-377.81	-981.15	7140851.96	2152956.35	39 54 32.646 N	109 40 21.692 W
6820.00	1.90	171.80	6616.92	-378.13	-981.11	7140851.64	2152956.40	39 54 32.643 N	109 40 21.691 W
6830.00	1.90	171.40	6626.92	-378.46	-981.06	7140851.32	2152956.46	39 54 32.639 N	109 40 21.691 W
6840.00	1.80	171.90	6636.91	-378.77	-981.01	7140851.00	2152956.51	39 54 32.636 N	109 40 21.690 W
6850.00	1.80	172.10	6646.91	-379.09	-980.97	7140850.69	2152956.56	39 54 32.633 N	109 40 21.690 W
6860.00	1.80	171.90	6656.90	-379.40	-980.92	7140850.38	2152956.61	39 54 32.630 N	109 40 21.689 W
6870.00	1.80	171.60	6666.90	-379.71	-980.88	7140850.07	2152956.66	39 54 32.627 N	109 40 21.689 W
6880.00	1.80	170.80	6676.89	-380.02	-980.83	7140849.76	2152956.72	39 54 32.624 N	109 40 21.688 W
6890.00	1.80	170.80	6686.89	-380.33	-980.78	7140849.45	2152956.77	39 54 32.621 N	109 40 21.687 W
6900.00	1.80	170.60	6696.88	-380.64	-980.73	7140849.14	2152956.83	39 54 32.618 N	109 40 21.687 W
6910.00	1.80	170.90	6706.88	-380.95	-980.68	7140848.83	2152956.89	39 54 32.615 N	109 40 21.686 W
6920.00	1.80	170.90	6716.87	-381.26	-980.63	7140848.52	2152956.94	39 54 32.612 N	109 40 21.685 W
6930.00	1.80	170.80	6726.87	-381.57	-980.58	7140848.21	2152957.00	39 54 32.609 N	109 40 21.685 W
6940.00	1.80	170.50	6736.86	-381.88	-980.53	7140847.90	2152957.06	39 54 32.605 N	109 40 21.684 W
6950.00	1.80	170.30	6746.86	-382.19	-980.48	7140847.60	2152957.11	39 54 32.602 N	109 40 21.683 W
6960.00	1.80	170.10	6756.85	-382.50	-980.42	7140847.29	2152957.17	39 54 32.599 N	109 40 21.683 W
6970.00	1.80	169.90	6766.85	-382.81	-980.37	7140846.98	2152957.24	39 54 32.596 N	109 40 21.682 W
6980.00	1.80	170.50	6776.84	-383.12	-980.32	7140846.67	2152957.29	39 54 32.593 N	109 40 21.681 W
6990.00	1.80	169.90	6786.84	-383.43	-980.26	7140846.36	2152957.35	39 54 32.590 N	109 40 21.681 W
7000.00	1.80	170.30	6796.83	-383.74	-980.21	7140846.05	2152957.41	39 54 32.587 N	109 40 21.680 W
7010.00	1.80	170.60	6806.83	-384.05	-980.16	7140845.75	2152957.47	39 54 32.584 N	109 40 21.679 W
7020.00	1.70	171.20	6816.82	-384.35	-980.11	7140845.45	2152957.53	39 54 32.581 N	109 40 21.679 W
7030.00	1.70	169.90	6826.82	-384.64	-980.06	7140845.15	2152957.58	39 54 32.578 N	109 40 21.678 W
7040.00	1.70	170.90	6836.81	-384.93	-980.01	7140844.86	2152957.64	39 54 32.575 N	109 40 21.677 W
7050.00	1.70	170.10	6846.81	-385.22	-979.96	7140844.57	2152957.69	39 54 32.572 N	109 40 21.677 W
7060.00	1.80	169.60	6856.80	-385.52	-979.91	7140844.27	2152957.75	39 54 32.569 N	109 40 21.676 W
7070.00	1.70	169.50	6866.80	-385.83	-979.85	7140843.97	2152957.81	39 54 32.566 N	109 40 21.675 W
7080.00	1.70	169.00	6876.80	-386.12	-979.80	7140843.68	2152957.88	39 54 32.564 N	109 40 21.675 W
7090.00	1.80	169.00	6886.79	-386.42	-979.74	7140843.38	2152957.94	39 54 32.561 N	109 40 21.674 W
7100.00	1.80	169.20	6896.79	-386.72	-979.68	7140843.08	2152958.01	39 54 32.558 N	109 40 21.673 W
7110.00	1.80	169.10	6906.78	-387.03	-979.62	7140842.77	2152958.07	39 54 32.555 N	109 40 21.672 W
7120.00	1.80	169.20	6916.78	-387.34	-979.56	7140842.46	2152958.14	39 54 32.551 N	109 40 21.672 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	9
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
7130.00	1.80	170.00	6926.77	-387.65	-979.50	7140842.15	2152958.20	39 54 32.548 N	109 40 21.671 W
7140.00	1.80	170.00	6936.77	-387.96	-979.45	7140841.85	2152958.26	39 54 32.545 N	109 40 21.670 W
7150.00	1.80	169.50	6946.76	-388.27	-979.39	7140841.54	2152958.32	39 54 32.542 N	109 40 21.669 W
7160.00	1.80	169.20	6956.76	-388.58	-979.34	7140841.23	2152958.39	39 54 32.539 N	109 40 21.669 W
7170.00	1.80	169.30	6966.75	-388.89	-979.28	7140840.92	2152958.45	39 54 32.536 N	109 40 21.668 W
7180.00	1.90	168.90	6976.75	-389.20	-979.22	7140840.61	2152958.52	39 54 32.533 N	109 40 21.667 W
7190.00	1.90	169.20	6986.74	-389.53	-979.15	7140840.28	2152958.59	39 54 32.530 N	109 40 21.666 W
7200.00	1.90	169.40	6996.74	-389.85	-979.09	7140839.96	2152958.66	39 54 32.527 N	109 40 21.666 W
7210.00	1.80	168.70	7006.73	-390.17	-979.03	7140839.64	2152958.73	39 54 32.524 N	109 40 21.665 W
7220.00	1.80	168.70	7016.72	-390.48	-978.97	7140839.34	2152958.79	39 54 32.520 N	109 40 21.664 W
7230.00	1.80	168.90	7026.72	-390.79	-978.91	7140839.03	2152958.86	39 54 32.517 N	109 40 21.663 W
7240.00	1.80	168.70	7036.72	-391.10	-978.85	7140838.72	2152958.93	39 54 32.514 N	109 40 21.662 W
7250.00	1.70	167.20	7046.71	-391.39	-978.78	7140838.43	2152959.00	39 54 32.511 N	109 40 21.662 W
7260.00	1.70	165.10	7056.71	-391.68	-978.71	7140838.14	2152959.07	39 54 32.509 N	109 40 21.661 W
7270.00	1.70	165.30	7066.70	-391.97	-978.64	7140837.85	2152959.16	39 54 32.506 N	109 40 21.660 W
7280.00	1.70	164.30	7076.70	-392.26	-978.56	7140837.57	2152959.24	39 54 32.503 N	109 40 21.659 W
7290.00	1.70	162.50	7086.69	-392.54	-978.47	7140837.29	2152959.33	39 54 32.500 N	109 40 21.658 W
7300.00	1.60	161.50	7096.69	-392.81	-978.38	7140837.02	2152959.42	39 54 32.497 N	109 40 21.656 W
7310.00	1.50	161.00	7106.68	-393.07	-978.30	7140836.76	2152959.52	39 54 32.495 N	109 40 21.655 W
7320.00	1.60	161.40	7116.68	-393.33	-978.21	7140836.51	2152959.61	39 54 32.492 N	109 40 21.654 W
7330.00	1.60	160.50	7126.68	-393.59	-978.12	7140836.24	2152959.71	39 54 32.490 N	109 40 21.653 W
7340.00	1.60	160.80	7136.67	-393.85	-978.03	7140835.98	2152959.80	39 54 32.487 N	109 40 21.652 W
7350.00	1.50	161.20	7146.67	-394.11	-977.94	7140835.73	2152959.90	39 54 32.485 N	109 40 21.651 W
7360.00	1.50	160.40	7156.67	-394.36	-977.85	7140835.48	2152959.99	39 54 32.482 N	109 40 21.650 W
7370.00	1.50	159.60	7166.66	-394.60	-977.76	7140835.24	2152960.08	39 54 32.480 N	109 40 21.649 W
7380.00	1.40	159.60	7176.66	-394.84	-977.67	7140835.00	2152960.18	39 54 32.477 N	109 40 21.647 W
7390.00	1.40	159.80	7186.66	-395.07	-977.59	7140834.78	2152960.26	39 54 32.475 N	109 40 21.646 W
7400.00	1.40	158.40	7196.65	-395.30	-977.50	7140834.55	2152960.36	39 54 32.473 N	109 40 21.645 W
7410.00	1.40	157.20	7206.65	-395.52	-977.41	7140834.33	2152960.45	39 54 32.471 N	109 40 21.644 W
7420.00	1.40	154.90	7216.65	-395.75	-977.31	7140834.11	2152960.56	39 54 32.468 N	109 40 21.643 W
7430.00	1.50	153.50	7226.64	-395.97	-977.20	7140833.88	2152960.67	39 54 32.466 N	109 40 21.641 W
7440.00	1.50	154.70	7236.64	-396.21	-977.09	7140833.65	2152960.79	39 54 32.464 N	109 40 21.640 W
7450.00	1.40	156.10	7246.64	-396.44	-976.98	7140833.42	2152960.90	39 54 32.462 N	109 40 21.638 W
7460.00	1.40	155.30	7256.64	-396.66	-976.88	7140833.20	2152961.01	39 54 32.459 N	109 40 21.637 W
7470.00	1.40	155.10	7266.63	-396.88	-976.78	7140832.98	2152961.11	39 54 32.457 N	109 40 21.636 W
7480.00	1.40	155.60	7276.63	-397.11	-976.68	7140832.76	2152961.22	39 54 32.455 N	109 40 21.635 W
7490.00	1.30	156.40	7286.63	-397.32	-976.58	7140832.55	2152961.32	39 54 32.453 N	109 40 21.633 W
7500.00	1.30	154.30	7296.62	-397.53	-976.49	7140832.34	2152961.42	39 54 32.451 N	109 40 21.632 W
7510.00	1.30	153.50	7306.62	-397.73	-976.39	7140832.14	2152961.52	39 54 32.449 N	109 40 21.631 W
7520.00	1.30	151.50	7316.62	-397.93	-976.28	7140831.94	2152961.63	39 54 32.447 N	109 40 21.630 W
7530.00	1.30	148.90	7326.62	-398.13	-976.17	7140831.75	2152961.75	39 54 32.445 N	109 40 21.628 W
7540.00	1.30	148.40	7336.61	-398.32	-976.05	7140831.55	2152961.87	39 54 32.443 N	109 40 21.627 W
7550.00	1.30	148.70	7346.61	-398.52	-975.93	7140831.36	2152961.99	39 54 32.441 N	109 40 21.625 W
7560.00	1.30	149.60	7356.61	-398.71	-975.82	7140831.17	2152962.11	39 54 32.439 N	109 40 21.624 W
7570.00	1.30	149.80	7366.61	-398.91	-975.70	7140830.98	2152962.23	39 54 32.437 N	109 40 21.622 W
7580.00	1.30	147.80	7376.60	-399.10	-975.58	7140830.79	2152962.35	39 54 32.435 N	109 40 21.621 W
7590.00	1.30	146.80	7386.60	-399.29	-975.46	7140830.60	2152962.48	39 54 32.433 N	109 40 21.619 W
7600.00	1.40	148.20	7396.60	-399.49	-975.33	7140830.40	2152962.61	39 54 32.431 N	109 40 21.617 W
7610.00	1.40	148.80	7406.59	-399.70	-975.21	7140830.20	2152962.74	39 54 32.429 N	109 40 21.616 W
7620.00	1.40	149.60	7416.59	-399.91	-975.08	7140829.99	2152962.87	39 54 32.427 N	109 40 21.614 W
7630.00	1.40	148.50	7426.59	-400.12	-974.96	7140829.78	2152963.00	39 54 32.425 N	109 40 21.612 W
7640.00	1.40	148.60	7436.59	-400.33	-974.83	7140829.58	2152963.13	39 54 32.423 N	109 40 21.611 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	10
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
7650.00	1.50	148.70	7446.58	-400.54	-974.70	7140829.36	2152963.27	39 54 32.421 N	109 40 21.609 W
7660.00	1.50	149.80	7456.58	-400.77	-974.56	7140829.14	2152963.41	39 54 32.419 N	109 40 21.607 W
7670.00	1.50	151.20	7466.58	-401.00	-974.43	7140828.92	2152963.54	39 54 32.417 N	109 40 21.606 W
7680.00	1.50	150.10	7476.57	-401.22	-974.31	7140828.69	2152963.67	39 54 32.414 N	109 40 21.604 W
7690.00	1.50	150.30	7486.57	-401.45	-974.18	7140828.47	2152963.81	39 54 32.412 N	109 40 21.602 W
7700.00	1.60	150.80	7496.57	-401.69	-974.04	7140828.23	2152963.95	39 54 32.410 N	109 40 21.601 W
7710.00	1.50	149.30	7506.56	-401.92	-973.91	7140828.00	2152964.09	39 54 32.407 N	109 40 21.599 W
7720.00	1.60	149.10	7516.56	-402.15	-973.77	7140827.77	2152964.23	39 54 32.405 N	109 40 21.597 W
7730.00	1.60	150.30	7526.55	-402.39	-973.63	7140827.53	2152964.37	39 54 32.403 N	109 40 21.595 W
7740.00	1.60	153.00	7536.55	-402.64	-973.50	7140827.29	2152964.51	39 54 32.400 N	109 40 21.594 W
7750.00	1.60	153.10	7546.55	-402.89	-973.37	7140827.04	2152964.64	39 54 32.398 N	109 40 21.592 W
7760.00	1.70	151.70	7556.54	-403.14	-973.24	7140826.79	2152964.78	39 54 32.395 N	109 40 21.590 W
7770.00	1.70	153.40	7566.54	-403.41	-973.10	7140826.53	2152964.92	39 54 32.393 N	109 40 21.589 W
7780.00	1.70	154.30	7576.53	-403.67	-972.97	7140826.27	2152965.06	39 54 32.390 N	109 40 21.587 W
7790.00	1.70	154.30	7586.53	-403.94	-972.84	7140826.00	2152965.20	39 54 32.387 N	109 40 21.585 W
7800.00	1.70	154.40	7596.52	-404.21	-972.71	7140825.74	2152965.33	39 54 32.385 N	109 40 21.584 W
7810.00	1.70	154.80	7606.52	-404.48	-972.58	7140825.47	2152965.46	39 54 32.382 N	109 40 21.582 W
7820.00	1.70	154.40	7616.52	-404.74	-972.46	7140825.21	2152965.59	39 54 32.379 N	109 40 21.580 W
7830.00	1.80	154.70	7626.51	-405.02	-972.33	7140824.94	2152965.73	39 54 32.377 N	109 40 21.579 W
7840.00	1.80	154.20	7636.51	-405.30	-972.19	7140824.65	2152965.87	39 54 32.374 N	109 40 21.577 W
7850.00	1.90	154.10	7646.50	-405.59	-972.05	7140824.37	2152966.02	39 54 32.371 N	109 40 21.575 W
7860.00	1.90	153.90	7656.50	-405.89	-971.90	7140824.07	2152966.17	39 54 32.368 N	109 40 21.573 W
7870.00	1.90	153.90	7666.49	-406.19	-971.76	7140823.78	2152966.32	39 54 32.365 N	109 40 21.571 W
7880.00	1.90	153.20	7676.48	-406.49	-971.61	7140823.48	2152966.48	39 54 32.362 N	109 40 21.570 W
7890.00	1.90	154.40	7686.48	-406.78	-971.46	7140823.19	2152966.63	39 54 32.359 N	109 40 21.568 W
7900.00	1.90	152.20	7696.47	-407.08	-971.32	7140822.90	2152966.78	39 54 32.356 N	109 40 21.566 W
7910.00	1.80	152.40	7706.47	-407.37	-971.17	7140822.61	2152966.94	39 54 32.354 N	109 40 21.564 W
7920.00	1.80	151.90	7716.46	-407.64	-971.02	7140822.34	2152967.09	39 54 32.351 N	109 40 21.562 W
7930.00	1.90	151.80	7726.46	-407.93	-970.87	7140822.06	2152967.25	39 54 32.348 N	109 40 21.560 W
7940.00	1.90	152.20	7736.45	-408.22	-970.71	7140821.77	2152967.41	39 54 32.345 N	109 40 21.558 W
7950.00	1.90	151.10	7746.45	-408.51	-970.55	7140821.48	2152967.58	39 54 32.342 N	109 40 21.556 W
7960.00	1.90	149.50	7756.44	-408.80	-970.39	7140821.19	2152967.75	39 54 32.339 N	109 40 21.554 W
7970.00	1.80	149.50	7766.44	-409.08	-970.23	7140820.92	2152967.91	39 54 32.337 N	109 40 21.552 W
7980.00	1.80	147.90	7776.43	-409.35	-970.06	7140820.66	2152968.08	39 54 32.334 N	109 40 21.550 W
7990.00	1.90	145.50	7786.43	-409.62	-969.88	7140820.39	2152968.27	39 54 32.331 N	109 40 21.547 W
8000.00	1.90	144.50	7796.42	-409.89	-969.69	7140820.12	2152968.46	39 54 32.329 N	109 40 21.545 W
8010.00	1.90	147.60	7806.42	-410.16	-969.51	7140819.85	2152968.65	39 54 32.326 N	109 40 21.543 W
8020.00	1.90	147.40	7816.41	-410.44	-969.33	7140819.57	2152968.84	39 54 32.323 N	109 40 21.540 W
8030.00	1.80	145.70	7826.40	-410.71	-969.15	7140819.31	2152969.02	39 54 32.321 N	109 40 21.538 W
8040.00	1.80	144.70	7836.40	-410.97	-968.97	7140819.05	2152969.20	39 54 32.318 N	109 40 21.536 W
8050.00	1.80	148.50	7846.39	-411.23	-968.80	7140818.80	2152969.38	39 54 32.315 N	109 40 21.534 W
8060.00	1.80	148.40	7856.39	-411.50	-968.64	7140818.53	2152969.55	39 54 32.313 N	109 40 21.531 W
8070.00	1.70	147.30	7866.38	-411.76	-968.47	7140818.28	2152969.72	39 54 32.310 N	109 40 21.529 W
8080.00	1.60	148.60	7876.38	-412.00	-968.32	7140818.04	2152969.88	39 54 32.308 N	109 40 21.527 W
8090.00	1.60	149.20	7886.38	-412.24	-968.18	7140817.80	2152970.03	39 54 32.305 N	109 40 21.525 W
8100.00	1.60	149.70	7896.37	-412.48	-968.04	7140817.56	2152970.17	39 54 32.303 N	109 40 21.524 W
8110.00	1.60	150.20	7906.37	-412.72	-967.90	7140817.32	2152970.32	39 54 32.301 N	109 40 21.522 W
8120.00	1.60	150.20	7916.37	-412.97	-967.76	7140817.08	2152970.46	39 54 32.298 N	109 40 21.520 W
8130.00	1.60	150.00	7926.36	-413.21	-967.62	7140816.85	2152970.61	39 54 32.296 N	109 40 21.518 W
8140.00	1.60	149.10	7936.36	-413.45	-967.48	7140816.61	2152970.75	39 54 32.293 N	109 40 21.516 W
8150.00	1.70	147.00	7946.35	-413.69	-967.32	7140816.37	2152970.91	39 54 32.291 N	109 40 21.515 W
8160.00	1.60	148.50	7956.35	-413.94	-967.17	7140816.13	2152971.07	39 54 32.289 N	109 40 21.513 W
8170.00	1.60	149.70	7966.35	-414.18	-967.03	7140815.89	2152971.22	39 54 32.286 N	109 40 21.511 W

Ryan Energy Technologies
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:01:44	**Page:**	11
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
8180.00	1.60	149.70	7976.34	-414.42	-966.89	7140815.65	2152971.36	39 54 32.284 N	109 40 21.509 W
8190.00	1.60	148.60	7986.34	-414.66	-966.74	7140815.41	2152971.51	39 54 32.282 N	109 40 21.507 W
8200.00	1.60	147.40	7996.33	-414.89	-966.59	7140815.18	2152971.66	39 54 32.279 N	109 40 21.505 W
8210.00	1.50	150.30	8006.33	-415.13	-966.45	7140814.95	2152971.81	39 54 32.277 N	109 40 21.503 W
8220.00	1.60	151.00	8016.33	-415.36	-966.32	7140814.72	2152971.95	39 54 32.275 N	109 40 21.502 W
8230.00	1.60	151.10	8026.32	-415.61	-966.19	7140814.48	2152972.09	39 54 32.272 N	109 40 21.500 W
8240.00	1.70	152.10	8036.32	-415.86	-966.05	7140814.23	2152972.23	39 54 32.270 N	109 40 21.498 W
8250.00	1.80	149.80	8046.31	-416.13	-965.90	7140813.96	2152972.38	39 54 32.267 N	109 40 21.496 W
8260.00	1.80	149.70	8056.31	-416.40	-965.74	7140813.70	2152972.55	39 54 32.264 N	109 40 21.494 W

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System: US State Plane Coordinate System 1983 — **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: HCU # 3-33F
Sec 33, T10S, R20E
Uintah Co, Utah

Site Position: **Northing:** 7141249.77 ft — **Latitude:** 39 54 36.380 N
From: Geographic **Easting:** 2153929.56 ft — **Longitude:** 109 40 9.100 W
Position Uncertainty: 0.00 ft — **North Reference:** True
Ground Level: 5215.00 ft — **Grid Convergence:** 1.17 deg

Well: HCU 3-33F — **Slot Name:**

Well Position: +N/-S 0.00 ft **Northing:** 7141249.77 ft — **Latitude:** 39 54 36.380 N
+E/-W 0.00 ft **Easting :** 2153929.56 ft — **Longitude:** 109 40 9.100 W
Position Uncertainty: 0.00 ft

Wellpath: Original Hole — **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: Est RKB **Height** 5235.00 ft — **Above System Datum:** Mean Sea Level
Magnetic Data: 3/22/2007 — **Declination:** 11.67 deg
Field Strength: 52736 nT — **Mag Dip Angle:** 65.87 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	254.13

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
567.00	0.60	231.10	566.99	-1.86	-2.31	2.73	0.11	2.97	231.10	
659.00	3.30	270.40	658.93	-2.15	-5.33	5.72	3.11	5.75	248.06	
751.00	7.10	263.10	750.54	-2.81	-13.63	13.88	4.18	13.92	258.34	
842.00	10.30	265.10	840.48	-4.18	-27.32	27.42	3.53	27.64	261.29	
935.00	12.50	260.90	931.64	-6.49	-45.55	45.58	2.53	46.01	261.89	
1030.00	13.80	260.60	1024.14	-9.96	-66.88	67.05	1.37	67.61	261.53	
1126.00	16.40	257.80	1116.82	-14.70	-91.42	91.96	2.81	92.60	260.87	
1221.00	19.40	253.90	1207.22	-21.91	-119.70	121.13	3.40	121.69	259.63	
1316.00	22.50	252.90	1295.93	-31.63	-152.24	155.09	3.28	155.49	258.26	
1411.00	26.10	252.90	1382.50	-43.13	-189.60	194.16	3.79	194.44	257.19	
1506.00	28.10	253.90	1467.06	-55.48	-231.07	237.43	2.16	237.64	256.50	
1601.00	27.80	252.50	1550.98	-68.34	-273.70	281.95	0.76	282.10	255.98	
1696.00	29.20	250.00	1634.47	-82.93	-316.60	327.21	1.94	327.28	255.32	
1792.00	28.50	250.70	1718.56	-98.51	-360.23	373.43	0.81	373.45	254.71	
1886.00	27.70	250.00	1801.48	-113.39	-401.92	417.61	0.92	417.61	254.24	
1981.00	27.80	252.50	1885.55	-127.61	-443.80	461.78	1.23	461.78	253.96	
2078.00	29.40	255.30	1970.72	-140.45	-488.41	508.20	2.15	508.20	253.96	
2173.00	29.20	256.00	2053.56	-151.98	-533.45	554.67	0.42	554.67	254.10	
2268.00	28.80	255.70	2136.65	-163.24	-578.11	600.71	0.45	600.71	254.23	
2363.00	28.00	256.40	2220.22	-174.13	-621.96	645.87	0.91	645.87	254.36	
2460.00	24.80	255.30	2307.09	-184.65	-663.78	688.97	3.34	688.98	254.45	
2554.00	23.40	255.70	2392.90	-194.26	-700.93	727.34	1.50	727.36	254.51	
2649.00	22.50	255.00	2480.38	-203.63	-736.77	764.37	0.99	764.40	254.55	
2743.00	21.80	255.00	2567.44	-212.80	-771.01	799.81	0.74	799.83	254.57	
2839.00	21.20	254.30	2656.76	-222.11	-804.94	834.99	0.68	835.02	254.57	
2934.00	19.70	253.90	2745.77	-231.20	-836.86	868.18	1.59	868.21	254.56	
3029.00	16.60	257.10	2836.03	-238.67	-865.48	897.76	3.43	897.78	254.58	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
3124.00	13.60	256.70	2927.74	-244.27	-889.58	922.47	3.16	922.51	254.65	
3219.00	10.00	249.30	3020.73	-249.76	-908.17	941.86	4.10	941.89	254.62	
3314.00	7.70	245.50	3114.59	-255.32	-921.68	956.37	2.50	956.39	254.52	
3409.00	5.20	248.60	3208.98	-259.53	-931.48	966.95	2.66	966.96	254.43	
3559.00	3.60	249.00	3358.53	-263.69	-942.21	978.41	1.07	978.41	254.36	
3570.00	3.20	245.20	3369.51	-263.95	-942.81	979.05	4.17	979.06	254.36	
3580.00	3.30	245.00	3379.50	-264.19	-943.32	979.61	1.01	979.62	254.35	
3590.00	3.30	245.00	3389.48	-264.43	-943.85	980.18	0.00	980.19	254.35	
3600.00	3.40	245.20	3399.46	-264.68	-944.38	980.76	1.01	980.76	254.34	
3610.00	3.40	244.20	3409.45	-264.93	-944.91	981.34	0.59	981.35	254.34	
3620.00	3.30	242.80	3419.43	-265.19	-945.44	981.92	1.29	981.92	254.33	
3630.00	3.20	242.90	3429.41	-265.45	-945.94	982.47	1.00	982.48	254.32	
3640.00	3.20	243.70	3439.40	-265.70	-946.44	983.02	0.45	983.03	254.32	
3650.00	3.30	244.90	3449.38	-265.94	-946.95	983.58	1.21	983.59	254.31	
3660.00	3.30	243.80	3459.36	-266.19	-947.47	984.15	0.63	984.15	254.31	
3670.00	3.30	242.10	3469.35	-266.46	-947.98	984.71	0.98	984.72	254.30	
3680.00	3.30	241.20	3479.33	-266.73	-948.49	985.27	0.52	985.28	254.29	
3690.00	3.30	240.20	3489.32	-267.01	-948.99	985.83	0.58	985.84	254.29	
3700.00	3.30	239.10	3499.30	-267.30	-949.49	986.39	0.63	986.39	254.28	
3710.00	3.30	237.90	3509.28	-267.60	-949.98	986.95	0.69	986.95	254.27	
3720.00	3.30	237.30	3519.27	-267.91	-950.46	987.50	0.35	987.50	254.26	
3730.00	3.30	237.10	3529.25	-268.22	-950.95	988.05	0.12	988.05	254.25	
3740.00	3.30	236.20	3539.23	-268.54	-951.43	988.60	0.52	988.60	254.24	
3750.00	3.30	234.90	3549.22	-268.86	-951.90	989.14	0.75	989.14	254.23	
3760.00	3.30	233.90	3559.20	-269.20	-952.37	989.68	0.58	989.69	254.22	
3770.00	3.20	232.70	3569.18	-269.54	-952.82	990.21	1.21	990.22	254.20	
3780.00	3.30	231.50	3579.17	-269.89	-953.27	990.74	1.21	990.74	254.19	
3790.00	3.30	229.50	3589.15	-270.25	-953.72	991.27	1.15	991.27	254.18	
3800.00	3.20	227.80	3599.13	-270.63	-954.14	991.78	1.39	991.78	254.16	
3810.00	3.30	227.60	3609.12	-271.01	-954.56	992.29	1.01	992.29	254.15	
3820.00	3.30	225.50	3619.10	-271.40	-954.98	992.80	1.21	992.80	254.13	
3830.00	3.30	223.70	3629.09	-271.81	-955.38	993.30	1.04	993.30	254.12	
3840.00	3.30	223.30	3639.07	-272.23	-955.78	993.79	0.23	993.79	254.10	
3850.00	3.30	221.40	3649.05	-272.66	-956.17	994.28	1.09	994.28	254.08	
3860.00	3.20	219.80	3659.04	-273.09	-956.54	994.75	1.35	994.76	254.07	
3870.00	3.30	219.20	3669.02	-273.53	-956.90	995.22	1.06	995.22	254.05	
3880.00	3.30	217.20	3679.00	-273.98	-957.25	995.69	1.15	995.69	254.03	
3890.00	3.30	215.70	3688.99	-274.44	-957.59	996.14	0.86	996.15	254.01	
3900.00	3.30	215.00	3698.97	-274.91	-957.93	996.59	0.40	996.59	253.99	
3910.00	3.30	213.40	3708.95	-275.39	-958.25	997.03	0.92	997.04	253.97	
3920.00	3.20	211.90	3718.94	-275.86	-958.56	997.46	1.31	997.46	253.94	
3930.00	3.10	211.80	3728.92	-276.33	-958.85	997.86	1.00	997.87	253.92	
3940.00	3.20	211.40	3738.91	-276.80	-959.14	998.27	1.02	998.28	253.90	
3950.00	3.10	210.00	3748.89	-277.27	-959.42	998.67	1.26	998.68	253.88	
3960.00	3.10	209.70	3758.88	-277.74	-959.68	999.06	0.16	999.07	253.86	
3970.00	3.10	209.50	3768.86	-278.21	-959.95	999.44	0.11	999.45	253.84	
3980.00	3.20	207.70	3778.85	-278.69	-960.21	999.83	1.41	999.84	253.82	
3990.00	3.20	206.50	3788.83	-279.19	-960.47	1000.21	0.67	1000.22	253.79	
4000.00	3.20	206.80	3798.82	-279.69	-960.72	1000.58	0.17	1000.60	253.77	
4010.00	3.10	206.80	3808.80	-280.18	-960.97	1000.96	1.00	1000.98	253.75	
4020.00	3.10	206.90	3818.79	-280.66	-961.21	1001.32	0.05	1001.35	253.72	
4030.00	3.00	206.50	3828.77	-281.14	-961.45	1001.68	1.02	1001.71	253.70	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	3
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
4040.00	2.90	206.60	3838.76	-281.60	-961.68	1002.03	1.00	1002.06	253.68	
4050.00	2.90	205.80	3848.75	-282.05	-961.90	1002.37	0.40	1002.40	253.66	
4060.00	2.90	205.40	3858.73	-282.51	-962.12	1002.70	0.20	1002.74	253.64	
4070.00	2.80	204.50	3868.72	-282.96	-962.33	1003.03	1.10	1003.07	253.61	
4080.00	2.90	204.30	3878.71	-283.41	-962.54	1003.35	1.00	1003.39	253.59	
4090.00	2.90	203.90	3888.70	-283.87	-962.74	1003.68	0.20	1003.72	253.57	
4100.00	2.80	204.50	3898.68	-284.33	-962.95	1004.00	1.04	1004.05	253.55	
4110.00	2.80	203.80	3908.67	-284.77	-963.15	1004.31	0.34	1004.36	253.53	
4120.00	2.80	203.10	3918.66	-285.22	-963.34	1004.62	0.34	1004.68	253.51	
4130.00	2.80	203.30	3928.65	-285.67	-963.53	1004.93	0.10	1004.99	253.49	
4140.00	2.80	203.50	3938.64	-286.12	-963.73	1005.24	0.10	1005.30	253.46	
4150.00	2.80	203.00	3948.62	-286.57	-963.92	1005.54	0.24	1005.62	253.44	
4160.00	2.80	203.10	3958.61	-287.02	-964.11	1005.85	0.05	1005.93	253.42	
4170.00	2.80	203.10	3968.60	-287.46	-964.30	1006.16	0.00	1006.24	253.40	
4180.00	2.70	202.40	3978.59	-287.91	-964.49	1006.46	1.05	1006.54	253.38	
4190.00	2.70	203.00	3988.58	-288.34	-964.67	1006.75	0.28	1006.84	253.36	
4200.00	2.70	202.70	3998.57	-288.78	-964.85	1007.05	0.14	1007.14	253.34	
4210.00	2.60	203.80	4008.56	-289.20	-965.04	1007.34	1.12	1007.44	253.32	
4220.00	2.60	202.60	4018.55	-289.62	-965.22	1007.62	0.54	1007.73	253.30	
4230.00	2.70	202.90	4028.53	-290.04	-965.39	1007.91	1.01	1008.02	253.28	
4240.00	2.70	202.30	4038.52	-290.48	-965.58	1008.21	0.28	1008.32	253.26	
4250.00	2.60	201.20	4048.51	-290.91	-965.75	1008.49	1.12	1008.61	253.24	
4260.00	2.60	201.60	4058.50	-291.33	-965.91	1008.76	0.18	1008.89	253.22	
4270.00	2.70	201.40	4068.49	-291.76	-966.08	1009.04	1.00	1009.18	253.20	
4280.00	2.70	202.50	4078.48	-292.20	-966.26	1009.33	0.52	1009.47	253.17	
4290.00	2.70	201.20	4088.47	-292.63	-966.43	1009.62	0.61	1009.77	253.15	
4300.00	2.60	200.80	4098.46	-293.07	-966.60	1009.90	1.02	1010.05	253.13	
4310.00	2.60	200.20	4108.45	-293.49	-966.76	1010.17	0.27	1010.33	253.11	
4320.00	2.60	200.90	4118.44	-293.92	-966.92	1010.44	0.32	1010.60	253.09	
4330.00	2.60	200.40	4128.43	-294.34	-967.08	1010.71	0.23	1010.88	253.07	
4340.00	2.60	201.20	4138.42	-294.76	-967.24	1010.98	0.36	1011.16	253.05	
4350.00	2.60	200.90	4148.41	-295.19	-967.40	1011.25	0.14	1011.44	253.03	
4360.00	2.60	200.00	4158.40	-295.61	-967.56	1011.52	0.41	1011.71	253.01	
4370.00	2.60	199.40	4168.39	-296.04	-967.71	1011.78	0.27	1011.98	252.99	
4380.00	2.60	199.30	4178.38	-296.47	-967.86	1012.04	0.05	1012.25	252.97	
4390.00	2.50	199.80	4188.37	-296.89	-968.01	1012.30	1.02	1012.52	252.95	
4400.00	2.50	198.40	4198.36	-297.30	-968.15	1012.55	0.61	1012.77	252.93	
4410.00	2.50	198.90	4208.35	-297.71	-968.29	1012.80	0.22	1013.03	252.91	
4420.00	2.50	199.20	4218.34	-298.13	-968.44	1013.05	0.13	1013.29	252.89	
4430.00	2.40	197.30	4228.33	-298.53	-968.57	1013.29	1.29	1013.53	252.87	
4440.00	2.40	197.00	4238.32	-298.93	-968.69	1013.52	0.13	1013.77	252.85	
4450.00	2.40	196.40	4248.31	-299.33	-968.81	1013.74	0.25	1014.00	252.83	
4460.00	2.40	195.70	4258.30	-299.73	-968.93	1013.96	0.29	1014.23	252.81	
4470.00	2.40	195.50	4268.29	-300.14	-969.04	1014.18	0.08	1014.46	252.79	
4480.00	2.40	195.40	4278.29	-300.54	-969.15	1014.40	0.04	1014.68	252.77	
4490.00	2.40	195.70	4288.28	-300.94	-969.27	1014.62	0.13	1014.91	252.75	
4500.00	2.30	196.00	4298.27	-301.34	-969.38	1014.83	1.01	1015.14	252.73	
4510.00	2.30	196.00	4308.26	-301.73	-969.49	1015.05	0.00	1015.36	252.71	
4520.00	2.40	195.70	4318.25	-302.12	-969.60	1015.26	1.01	1015.58	252.69	
4530.00	2.30	196.40	4328.24	-302.51	-969.71	1015.48	1.04	1015.81	252.67	
4540.00	2.30	196.40	4338.24	-302.90	-969.83	1015.69	0.00	1016.03	252.66	
4550.00	2.30	195.60	4348.23	-303.28	-969.94	1015.90	0.32	1016.25	252.64	
4560.00	2.30	195.50	4358.22	-303.67	-970.05	1016.11	0.04	1016.47	252.62	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	4
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
4570.00	2.30	196.20	4368.21	-304.06	-970.16	1016.32	0.28	1016.69	252.60	
4580.00	2.30	195.60	4378.20	-304.44	-970.27	1016.54	0.24	1016.91	252.58	
4590.00	2.20	196.00	4388.20	-304.82	-970.37	1016.74	1.01	1017.12	252.56	
4600.00	2.30	195.20	4398.19	-305.20	-970.48	1016.95	1.05	1017.34	252.54	
4610.00	2.30	195.30	4408.18	-305.59	-970.58	1017.15	0.04	1017.55	252.52	
4620.00	2.30	194.40	4418.17	-305.97	-970.69	1017.36	0.36	1017.77	252.50	
4630.00	2.30	193.90	4428.16	-306.36	-970.78	1017.56	0.20	1017.98	252.49	
4640.00	2.30	194.40	4438.16	-306.75	-970.88	1017.76	0.20	1018.19	252.47	
4650.00	2.30	193.40	4448.15	-307.14	-970.98	1017.96	0.40	1018.40	252.45	
4660.00	2.30	194.20	4458.14	-307.53	-971.07	1018.16	0.32	1018.61	252.43	
4670.00	2.30	194.30	4468.13	-307.92	-971.17	1018.36	0.04	1018.82	252.41	
4680.00	2.20	194.50	4478.12	-308.30	-971.27	1018.56	1.00	1019.03	252.39	
4690.00	2.20	193.90	4488.12	-308.67	-971.37	1018.75	0.23	1019.23	252.37	
4700.00	2.20	195.20	4498.11	-309.04	-971.46	1018.95	0.50	1019.43	252.35	
4710.00	2.20	194.60	4508.10	-309.42	-971.56	1019.14	0.23	1019.64	252.33	
4720.00	2.20	192.50	4518.09	-309.79	-971.65	1019.33	0.81	1019.84	252.32	
4730.00	2.20	191.80	4528.09	-310.16	-971.73	1019.51	0.27	1020.03	252.30	
4740.00	2.20	192.20	4538.08	-310.54	-971.81	1019.69	0.15	1020.22	252.28	
4750.00	2.20	192.10	4548.07	-310.91	-971.89	1019.87	0.04	1020.41	252.26	
4760.00	2.20	193.90	4558.06	-311.29	-971.98	1020.06	0.69	1020.61	252.24	
4770.00	2.20	193.40	4568.06	-311.66	-972.07	1020.24	0.19	1020.81	252.22	
4780.00	2.20	193.30	4578.05	-312.04	-972.16	1020.43	0.04	1021.01	252.20	
4790.00	2.30	192.80	4588.04	-312.42	-972.25	1020.62	1.02	1021.21	252.19	
4800.00	2.30	193.10	4598.03	-312.81	-972.34	1020.82	0.12	1021.41	252.17	
4810.00	2.30	193.30	4608.03	-313.20	-972.43	1021.01	0.08	1021.62	252.15	
4820.00	2.30	192.60	4618.02	-313.59	-972.52	1021.20	0.28	1021.83	252.13	
4830.00	2.40	192.70	4628.01	-313.99	-972.61	1021.40	1.00	1022.03	252.11	
4840.00	2.30	192.80	4638.00	-314.39	-972.70	1021.60	1.00	1022.24	252.09	
4850.00	2.20	193.00	4647.99	-314.77	-972.79	1021.79	1.00	1022.44	252.07	
4860.00	2.30	193.30	4657.99	-315.16	-972.87	1021.98	1.01	1022.65	252.05	
4870.00	2.40	193.00	4667.98	-315.55	-972.97	1022.17	1.01	1022.86	252.03	
4880.00	2.40	193.50	4677.97	-315.96	-973.06	1022.38	0.21	1023.08	252.01	
4890.00	2.30	192.90	4687.96	-316.36	-973.16	1022.58	1.03	1023.29	251.99	
4900.00	2.40	192.90	4697.95	-316.76	-973.25	1022.78	1.00	1023.50	251.97	
4910.00	2.30	192.60	4707.94	-317.16	-973.34	1022.97	1.01	1023.71	251.95	
4920.00	2.40	193.30	4717.93	-317.56	-973.43	1023.17	1.04	1023.92	251.93	
4930.00	2.30	192.30	4727.93	-317.96	-973.52	1023.37	1.08	1024.13	251.91	
4940.00	2.30	191.60	4737.92	-318.35	-973.61	1023.55	0.28	1024.33	251.89	
4950.00	2.30	191.60	4747.91	-318.75	-973.69	1023.74	0.00	1024.53	251.87	
4960.00	2.30	191.60	4757.90	-319.14	-973.77	1023.92	0.00	1024.73	251.85	
4970.00	2.20	191.90	4767.89	-319.52	-973.85	1024.11	1.01	1024.93	251.84	
4980.00	2.20	191.80	4777.89	-319.90	-973.93	1024.28	0.04	1025.12	251.82	
4990.00	2.20	191.50	4787.88	-320.28	-974.00	1024.46	0.12	1025.31	251.80	
5000.00	2.10	191.10	4797.87	-320.64	-974.08	1024.63	1.01	1025.49	251.78	
5010.00	2.20	191.20	4807.87	-321.01	-974.15	1024.80	1.00	1025.68	251.76	
5020.00	2.10	190.50	4817.86	-321.38	-974.22	1024.97	1.03	1025.86	251.74	
5030.00	2.10	190.60	4827.85	-321.74	-974.29	1025.14	0.04	1026.04	251.73	
5040.00	2.20	189.80	4837.84	-322.11	-974.35	1025.30	1.04	1026.22	251.71	
5050.00	2.20	190.60	4847.84	-322.49	-974.42	1025.47	0.31	1026.40	251.69	
5060.00	2.20	191.00	4857.83	-322.86	-974.49	1025.64	0.15	1026.59	251.67	
5070.00	2.20	190.40	4867.82	-323.24	-974.56	1025.81	0.23	1026.77	251.65	
5080.00	2.10	189.50	4877.82	-323.61	-974.63	1025.98	1.06	1026.95	251.63	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	5
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
5090.00	2.10	190.00	4887.81	-323.97	-974.69	1026.13	0.18	1027.12	251.61	
5100.00	2.10	190.50	4897.80	-324.33	-974.76	1026.30	0.18	1027.30	251.60	
5110.00	2.10	190.40	4907.80	-324.69	-974.82	1026.46	0.04	1027.48	251.58	
5120.00	2.10	190.80	4917.79	-325.05	-974.89	1026.62	0.15	1027.65	251.56	
5130.00	2.10	190.00	4927.78	-325.41	-974.96	1026.78	0.29	1027.83	251.54	
5140.00	2.00	190.30	4937.78	-325.77	-975.02	1026.94	1.01	1028.00	251.52	
5150.00	2.00	190.60	4947.77	-326.11	-975.08	1027.10	0.10	1028.17	251.51	
5160.00	2.00	189.90	4957.76	-326.45	-975.15	1027.25	0.24	1028.34	251.49	
5170.00	2.00	190.60	4967.76	-326.80	-975.21	1027.40	0.24	1028.51	251.47	
5180.00	1.90	190.50	4977.75	-327.13	-975.27	1027.55	1.00	1028.67	251.46	
5190.00	1.90	192.30	4987.75	-327.46	-975.34	1027.71	0.60	1028.84	251.44	
5200.00	2.00	192.70	4997.74	-327.79	-975.41	1027.87	1.01	1029.01	251.43	
5210.00	2.00	192.80	5007.73	-328.13	-975.49	1028.04	0.03	1029.19	251.41	
5220.00	2.00	193.60	5017.73	-328.47	-975.57	1028.20	0.28	1029.38	251.39	
5230.00	2.00	194.40	5027.72	-328.81	-975.65	1028.38	0.28	1029.57	251.38	
5240.00	2.00	194.90	5037.72	-329.14	-975.74	1028.56	0.17	1029.76	251.36	
5250.00	2.00	195.60	5047.71	-329.48	-975.83	1028.74	0.24	1029.95	251.34	
5260.00	2.00	195.40	5057.70	-329.82	-975.92	1028.92	0.07	1030.15	251.33	
5270.00	1.90	196.30	5067.70	-330.14	-976.02	1029.10	1.05	1030.34	251.31	
5280.00	1.90	196.90	5077.69	-330.46	-976.11	1029.27	0.20	1030.53	251.30	
5290.00	1.90	197.20	5087.69	-330.78	-976.21	1029.46	0.10	1030.73	251.28	
5300.00	1.90	198.60	5097.68	-331.09	-976.31	1029.64	0.46	1030.92	251.27	
5310.00	1.90	198.30	5107.68	-331.41	-976.41	1029.83	0.10	1031.12	251.25	
5320.00	1.90	198.50	5117.67	-331.72	-976.52	1030.01	0.07	1031.32	251.24	
5330.00	1.80	198.70	5127.67	-332.03	-976.62	1030.20	1.00	1031.52	251.22	
5340.00	1.80	198.70	5137.66	-332.33	-976.72	1030.37	0.00	1031.71	251.21	
5350.00	1.80	199.30	5147.66	-332.62	-976.83	1030.55	0.19	1031.90	251.20	
5360.00	1.90	198.80	5157.65	-332.93	-976.93	1030.74	1.01	1032.10	251.18	
5370.00	1.90	198.50	5167.64	-333.24	-977.04	1030.93	0.10	1032.30	251.17	
5380.00	1.80	199.80	5177.64	-333.55	-977.14	1031.11	1.08	1032.50	251.15	
5390.00	1.90	199.40	5187.63	-333.85	-977.25	1031.30	1.01	1032.70	251.14	
5400.00	2.00	199.60	5197.63	-334.17	-977.36	1031.50	1.00	1032.91	251.12	
5410.00	1.90	199.70	5207.62	-334.49	-977.48	1031.69	1.00	1033.13	251.11	
5420.00	1.90	199.40	5217.62	-334.81	-977.59	1031.89	0.10	1033.33	251.09	
5430.00	1.90	199.90	5227.61	-335.12	-977.70	1032.08	0.17	1033.54	251.08	
5440.00	1.90	200.40	5237.61	-335.43	-977.82	1032.27	0.17	1033.75	251.07	
5450.00	1.90	199.90	5247.60	-335.74	-977.93	1032.47	0.17	1033.96	251.05	
5460.00	1.90	199.40	5257.60	-336.05	-978.04	1032.66	0.17	1034.16	251.04	
5470.00	1.90	199.10	5267.59	-336.37	-978.15	1032.85	0.10	1034.37	251.02	
5480.00	1.90	199.40	5277.58	-336.68	-978.26	1033.04	0.10	1034.57	251.01	
5490.00	1.90	199.30	5287.58	-336.99	-978.37	1033.23	0.03	1034.78	250.99	
5500.00	1.80	200.40	5297.57	-337.30	-978.48	1033.42	1.06	1034.98	250.98	
5510.00	1.80	201.00	5307.57	-337.59	-978.59	1033.61	0.19	1035.18	250.97	
5520.00	1.80	196.50	5317.56	-337.89	-978.69	1033.79	1.41	1035.38	250.95	
5530.00	1.80	198.40	5327.56	-338.19	-978.79	1033.96	0.60	1035.56	250.94	
5540.00	1.80	200.70	5337.55	-338.48	-978.89	1034.14	0.72	1035.76	250.93	
5550.00	1.80	200.90	5347.55	-338.78	-979.00	1034.33	0.06	1035.96	250.91	
5560.00	1.80	200.60	5357.54	-339.07	-979.11	1034.52	0.09	1036.16	250.90	
5570.00	1.90	199.50	5367.54	-339.37	-979.22	1034.71	1.06	1036.37	250.89	
5580.00	1.80	200.60	5377.53	-339.68	-979.33	1034.90	1.06	1036.57	250.87	
5590.00	1.80	202.40	5387.53	-339.97	-979.45	1035.09	0.57	1036.77	250.86	
5600.00	1.80	200.20	5397.52	-340.26	-979.56	1035.28	0.69	1036.98	250.84	
5610.00	1.80	199.50	5407.52	-340.56	-979.67	1035.46	0.22	1037.18	250.83	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	6
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
5620.00	1.90	200.40	5417.51	-340.86	-979.78	1035.65	1.04	1037.38	250.82	
5630.00	1.80	200.90	5427.51	-341.16	-979.89	1035.84	1.01	1037.59	250.80	
5640.00	1.80	200.10	5437.50	-341.46	-980.00	1036.03	0.25	1037.79	250.79	
5650.00	1.80	201.30	5447.50	-341.75	-980.12	1036.21	0.38	1037.99	250.78	
5660.00	1.80	199.90	5457.49	-342.04	-980.23	1036.40	0.44	1038.19	250.76	
5670.00	1.80	197.30	5467.49	-342.34	-980.33	1036.58	0.82	1038.38	250.75	
5680.00	1.80	196.90	5477.48	-342.64	-980.42	1036.75	0.13	1038.57	250.74	
5690.00	1.80	195.40	5487.48	-342.94	-980.51	1036.92	0.47	1038.75	250.72	
5700.00	1.90	193.80	5497.47	-343.26	-980.59	1037.08	1.13	1038.93	250.71	
5710.00	1.90	195.80	5507.47	-343.58	-980.67	1037.25	0.66	1039.12	250.69	
5720.00	1.90	193.80	5517.46	-343.90	-980.76	1037.42	0.66	1039.30	250.68	
5730.00	2.00	193.50	5527.46	-344.23	-980.84	1037.59	1.01	1039.49	250.66	
5740.00	2.00	193.70	5537.45	-344.57	-980.92	1037.76	0.07	1039.68	250.65	
5750.00	2.00	193.40	5547.44	-344.91	-981.00	1037.93	0.10	1039.87	250.63	
5760.00	2.00	193.40	5557.44	-345.25	-981.08	1038.10	0.00	1040.06	250.61	
5770.00	2.00	193.90	5567.43	-345.58	-981.16	1038.27	0.17	1040.25	250.60	
5780.00	1.90	192.10	5577.43	-345.92	-981.24	1038.44	1.17	1040.43	250.58	
5790.00	1.90	193.80	5587.42	-346.24	-981.31	1038.60	0.56	1040.61	250.57	
5800.00	1.90	191.60	5597.42	-346.56	-981.39	1038.75	0.73	1040.78	250.55	
5810.00	1.90	190.10	5607.41	-346.89	-981.45	1038.90	0.50	1040.95	250.53	
5820.00	2.00	188.90	5617.40	-347.22	-981.51	1039.05	1.08	1041.11	250.52	
5830.00	1.90	190.80	5627.40	-347.56	-981.56	1039.20	1.19	1041.28	250.50	
5840.00	1.90	189.00	5637.39	-347.89	-981.62	1039.34	0.60	1041.44	250.49	
5850.00	2.00	188.80	5647.39	-348.22	-981.67	1039.48	1.00	1041.61	250.47	
5860.00	2.00	188.80	5657.38	-348.57	-981.73	1039.63	0.00	1041.77	250.45	
5870.00	1.90	188.90	5667.38	-348.90	-981.78	1039.77	1.00	1041.93	250.44	
5880.00	1.90	186.90	5677.37	-349.23	-981.82	1039.90	0.66	1042.09	250.42	
5890.00	1.90	186.50	5687.36	-349.56	-981.86	1040.03	0.13	1042.23	250.40	
5900.00	1.90	187.10	5697.36	-349.89	-981.90	1040.16	0.20	1042.38	250.39	
5910.00	1.90	186.10	5707.35	-350.22	-981.94	1040.29	0.33	1042.53	250.37	
5920.00	1.80	186.00	5717.35	-350.54	-981.97	1040.41	1.00	1042.67	250.35	
5930.00	1.90	185.80	5727.34	-350.86	-982.01	1040.53	1.00	1042.81	250.34	
5940.00	1.80	185.50	5737.34	-351.18	-982.04	1040.65	1.00	1042.94	250.32	
5950.00	1.80	183.40	5747.33	-351.50	-982.06	1040.75	0.66	1043.07	250.31	
5960.00	1.70	183.40	5757.33	-351.80	-982.08	1040.85	1.00	1043.19	250.29	
5970.00	1.80	183.10	5767.32	-352.11	-982.10	1040.95	1.00	1043.31	250.28	
5980.00	1.80	183.00	5777.32	-352.42	-982.12	1041.06	0.03	1043.43	250.26	
5990.00	1.80	183.00	5787.31	-352.73	-982.13	1041.16	0.00	1043.55	250.24	
6000.00	1.70	181.50	5797.31	-353.04	-982.14	1041.25	1.10	1043.67	250.23	
6010.00	1.70	181.60	5807.30	-353.33	-982.15	1041.34	0.03	1043.78	250.21	
6020.00	1.70	181.30	5817.30	-353.63	-982.16	1041.43	0.09	1043.88	250.20	
6030.00	1.80	181.80	5827.30	-353.94	-982.17	1041.52	1.01	1044.00	250.18	
6040.00	1.80	182.00	5837.29	-354.25	-982.18	1041.62	0.06	1044.11	250.17	
6050.00	1.80	181.40	5847.29	-354.56	-982.19	1041.71	0.19	1044.23	250.15	
6060.00	1.70	180.50	5857.28	-354.87	-982.19	1041.80	1.04	1044.34	250.14	
6070.00	1.70	180.30	5867.28	-355.17	-982.20	1041.88	0.06	1044.44	250.12	
6080.00	1.80	180.00	5877.27	-355.47	-982.20	1041.97	1.00	1044.54	250.10	
6090.00	1.70	179.80	5887.27	-355.78	-982.20	1042.05	1.00	1044.65	250.09	
6100.00	1.70	180.60	5897.26	-356.07	-982.20	1042.13	0.24	1044.75	250.07	
6110.00	1.80	181.60	5907.26	-356.38	-982.20	1042.22	1.05	1044.86	250.06	
6120.00	1.70	181.90	5917.25	-356.68	-982.21	1042.32	1.00	1044.97	250.04	
6130.00	1.80	182.00	5927.25	-356.99	-982.22	1042.41	1.00	1045.09	250.03	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	7
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
6140.00	1.80	181.80	5937.24	-357.30	-982.23	1042.50	0.06	1045.20	250.01	
6150.00	1.80	182.30	5947.24	-357.62	-982.24	1042.60	0.16	1045.32	249.99	
6160.00	1.80	182.20	5957.23	-357.93	-982.26	1042.70	0.03	1045.44	249.98	
6170.00	1.80	182.40	5967.23	-358.24	-982.27	1042.80	0.06	1045.56	249.96	
6180.00	1.90	182.10	5977.22	-358.57	-982.28	1042.90	1.00	1045.68	249.95	
6190.00	1.90	182.40	5987.22	-358.90	-982.29	1043.00	0.10	1045.81	249.93	
6200.00	1.90	182.80	5997.21	-359.23	-982.31	1043.11	0.13	1045.93	249.91	
6210.00	1.90	182.70	6007.21	-359.56	-982.33	1043.21	0.03	1046.06	249.90	
6220.00	1.90	183.40	6017.20	-359.89	-982.34	1043.32	0.23	1046.19	249.88	
6230.00	1.90	182.70	6027.20	-360.22	-982.36	1043.43	0.23	1046.32	249.86	
6240.00	1.90	182.10	6037.19	-360.55	-982.38	1043.53	0.20	1046.45	249.85	
6250.00	1.90	181.40	6047.19	-360.89	-982.39	1043.63	0.23	1046.58	249.83	
6260.00	1.90	181.40	6057.18	-361.22	-982.39	1043.73	0.00	1046.70	249.81	
6270.00	1.90	181.30	6067.17	-361.55	-982.40	1043.83	0.03	1046.82	249.80	
6280.00	1.90	181.30	6077.17	-361.88	-982.41	1043.93	0.00	1046.94	249.78	
6290.00	1.90	181.00	6087.16	-362.21	-982.42	1044.02	0.10	1047.06	249.76	
6300.00	1.90	180.70	6097.16	-362.54	-982.42	1044.12	0.10	1047.18	249.74	
6310.00	1.90	180.70	6107.15	-362.87	-982.42	1044.21	0.00	1047.30	249.73	
6320.00	1.90	180.20	6117.15	-363.21	-982.43	1044.31	0.17	1047.42	249.71	
6330.00	1.90	179.70	6127.14	-363.54	-982.43	1044.40	0.17	1047.53	249.69	
6340.00	1.90	179.30	6137.14	-363.87	-982.42	1044.48	0.13	1047.64	249.68	
6350.00	1.80	178.00	6147.13	-364.19	-982.42	1044.57	1.08	1047.75	249.66	
6360.00	1.80	177.80	6157.13	-364.51	-982.40	1044.64	0.06	1047.85	249.64	
6370.00	1.80	176.40	6167.12	-364.82	-982.39	1044.71	0.44	1047.94	249.63	
6380.00	1.80	176.00	6177.12	-365.13	-982.37	1044.78	0.13	1048.03	249.61	
6390.00	1.80	176.10	6187.11	-365.45	-982.35	1044.84	0.03	1048.12	249.59	
6400.00	1.80	175.80	6197.11	-365.76	-982.32	1044.91	0.09	1048.21	249.58	
6410.00	1.80	174.80	6207.10	-366.07	-982.30	1044.97	0.31	1048.29	249.56	
6420.00	1.70	174.10	6217.10	-366.38	-982.27	1045.02	1.02	1048.37	249.54	
6430.00	1.70	174.90	6227.09	-366.67	-982.24	1045.07	0.24	1048.45	249.53	
6440.00	1.70	174.00	6237.09	-366.97	-982.21	1045.13	0.27	1048.53	249.51	
6450.00	1.70	174.50	6247.08	-367.26	-982.18	1045.18	0.15	1048.60	249.50	
6460.00	1.70	175.60	6257.08	-367.56	-982.16	1045.24	0.33	1048.68	249.48	
6470.00	1.70	174.50	6267.07	-367.85	-982.13	1045.29	0.33	1048.76	249.47	
6480.00	1.70	174.80	6277.07	-368.15	-982.10	1045.35	0.09	1048.84	249.45	
6490.00	1.70	175.10	6287.07	-368.44	-982.08	1045.40	0.09	1048.92	249.44	
6500.00	1.70	175.30	6297.06	-368.74	-982.05	1045.46	0.06	1049.00	249.42	
6510.00	1.70	176.00	6307.06	-369.04	-982.03	1045.52	0.21	1049.08	249.40	
6520.00	1.70	175.50	6317.05	-369.33	-982.01	1045.58	0.15	1049.16	249.39	
6530.00	1.60	174.70	6327.05	-369.62	-981.98	1045.63	1.03	1049.24	249.37	
6540.00	1.60	174.90	6337.04	-369.90	-981.96	1045.68	0.06	1049.32	249.36	
6550.00	1.60	175.40	6347.04	-370.17	-981.93	1045.74	0.14	1049.39	249.34	
6560.00	1.60	176.20	6357.04	-370.45	-981.91	1045.79	0.22	1049.47	249.33	
6570.00	1.60	177.10	6367.03	-370.73	-981.90	1045.85	0.25	1049.55	249.32	
6580.00	1.60	178.20	6377.03	-371.01	-981.89	1045.92	0.31	1049.64	249.30	
6590.00	1.60	177.80	6387.02	-371.29	-981.88	1045.99	0.11	1049.73	249.29	
6600.00	1.60	177.50	6397.02	-371.57	-981.86	1046.05	0.08	1049.82	249.27	
6610.00	1.60	176.80	6407.02	-371.85	-981.85	1046.12	0.20	1049.91	249.26	
6620.00	1.60	176.70	6417.01	-372.13	-981.84	1046.18	0.03	1049.99	249.24	
6630.00	1.70	176.00	6427.01	-372.41	-981.82	1046.24	1.02	1050.07	249.23	
6640.00	1.70	175.30	6437.00	-372.71	-981.79	1046.30	0.21	1050.16	249.21	
6650.00	1.70	174.70	6447.00	-373.01	-981.77	1046.35	0.18	1050.24	249.20	
6660.00	1.70	174.80	6457.00	-373.30	-981.74	1046.41	0.03	1050.32	249.18	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:**	4/17/2007	**Time:** 16:03:04	**Page:** 8
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:** Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
6670.00	1.70	174.90	6466.99	-373.60	-981.71	1046.46	0.03	1050.40	249.17	
6680.00	1.70	174.30	6476.99	-373.89	-981.69	1046.52	0.18	1050.48	249.15	
6690.00	1.70	173.30	6486.98	-374.19	-981.65	1046.57	0.30	1050.55	249.13	
6700.00	1.70	172.60	6496.98	-374.48	-981.62	1046.61	0.21	1050.62	249.12	
6710.00	1.70	172.80	6506.97	-374.78	-981.58	1046.66	0.06	1050.69	249.10	
6720.00	1.70	172.60	6516.97	-375.07	-981.54	1046.70	0.06	1050.76	249.09	
6730.00	1.70	172.00	6526.96	-375.36	-981.50	1046.74	0.18	1050.83	249.07	
6740.00	1.70	172.40	6536.96	-375.66	-981.46	1046.78	0.12	1050.90	249.06	
6750.00	1.70	173.00	6546.96	-375.95	-981.43	1046.83	0.18	1050.97	249.04	
6760.00	1.80	172.30	6556.95	-376.25	-981.39	1046.87	1.02	1051.04	249.02	
6770.00	1.80	172.10	6566.95	-376.57	-981.34	1046.92	0.06	1051.11	249.01	
6780.00	1.80	171.40	6576.94	-376.88	-981.30	1046.96	0.22	1051.18	248.99	
6790.00	1.80	171.20	6586.94	-377.19	-981.25	1047.00	0.06	1051.25	248.97	
6800.00	1.80	170.70	6596.93	-377.50	-981.20	1047.04	0.16	1051.31	248.96	
6810.00	1.80	171.80	6606.93	-377.81	-981.15	1047.07	0.35	1051.38	248.94	
6820.00	1.90	171.80	6616.92	-378.13	-981.11	1047.12	1.00	1051.45	248.92	
6830.00	1.90	171.40	6626.92	-378.46	-981.06	1047.16	0.13	1051.53	248.91	
6840.00	1.80	171.90	6636.91	-378.77	-981.01	1047.20	1.01	1051.60	248.89	
6850.00	1.80	172.10	6646.91	-379.09	-980.97	1047.25	0.06	1051.67	248.87	
6860.00	1.80	171.90	6656.90	-379.40	-980.92	1047.29	0.06	1051.74	248.85	
6870.00	1.80	171.60	6666.90	-379.71	-980.88	1047.33	0.09	1051.81	248.84	
6880.00	1.80	170.80	6676.89	-380.02	-980.83	1047.37	0.25	1051.88	248.82	
6890.00	1.80	170.80	6686.89	-380.33	-980.78	1047.41	0.00	1051.94	248.80	
6900.00	1.80	170.60	6696.88	-380.64	-980.73	1047.44	0.06	1052.01	248.79	
6910.00	1.80	170.90	6706.88	-380.95	-980.68	1047.48	0.09	1052.07	248.77	
6920.00	1.80	170.90	6716.87	-381.26	-980.63	1047.52	0.00	1052.14	248.75	
6930.00	1.80	170.80	6726.87	-381.57	-980.58	1047.55	0.03	1052.20	248.74	
6940.00	1.80	170.50	6736.86	-381.88	-980.53	1047.59	0.09	1052.27	248.72	
6950.00	1.80	170.30	6746.86	-382.19	-980.48	1047.62	0.06	1052.33	248.70	
6960.00	1.80	170.10	6756.85	-382.50	-980.42	1047.66	0.06	1052.39	248.69	
6970.00	1.80	169.90	6766.85	-382.81	-980.37	1047.69	0.06	1052.46	248.67	
6980.00	1.80	170.50	6776.84	-383.12	-980.32	1047.72	0.19	1052.52	248.65	
6990.00	1.80	169.90	6786.84	-383.43	-980.26	1047.75	0.19	1052.58	248.64	
7000.00	1.80	170.30	6796.83	-383.74	-980.21	1047.79	0.13	1052.64	248.62	
7010.00	1.80	170.60	6806.83	-384.05	-980.16	1047.82	0.09	1052.71	248.60	
7020.00	1.70	171.20	6816.82	-384.35	-980.11	1047.86	1.02	1052.77	248.59	
7030.00	1.70	169.90	6826.82	-384.64	-980.06	1047.89	0.39	1052.84	248.57	
7040.00	1.70	170.90	6836.81	-384.93	-980.01	1047.92	0.30	1052.90	248.56	
7050.00	1.70	170.10	6846.81	-385.22	-979.96	1047.96	0.24	1052.96	248.54	
7060.00	1.80	169.60	6856.80	-385.52	-979.91	1047.99	1.01	1053.02	248.52	
7070.00	1.70	169.50	6866.80	-385.83	-979.85	1048.01	1.00	1053.08	248.51	
7080.00	1.70	169.00	6876.80	-386.12	-979.80	1048.04	0.15	1053.13	248.49	
7090.00	1.80	169.00	6886.79	-386.42	-979.74	1048.07	1.00	1053.19	248.48	
7100.00	1.80	169.20	6896.79	-386.72	-979.68	1048.09	0.06	1053.25	248.46	
7110.00	1.80	169.10	6906.78	-387.03	-979.62	1048.12	0.03	1053.30	248.44	
7120.00	1.80	169.20	6916.78	-387.34	-979.56	1048.15	0.03	1053.36	248.42	
7130.00	1.80	170.00	6926.77	-387.65	-979.50	1048.18	0.25	1053.42	248.41	
7140.00	1.80	170.00	6936.77	-387.96	-979.45	1048.21	0.00	1053.49	248.39	
7150.00	1.80	169.50	6946.76	-388.27	-979.39	1048.24	0.16	1053.55	248.37	
7160.00	1.80	169.20	6956.76	-388.58	-979.34	1048.27	0.09	1053.61	248.36	
7170.00	1.80	169.30	6966.75	-388.89	-979.28	1048.30	0.03	1053.67	248.34	
7180.00	1.90	168.90	6976.75	-389.20	-979.22	1048.33	1.01	1053.73	248.32	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	9
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD . ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
7190.00	1.90	169.20	6986.74	-389.53	-979.15	1048.36	0.10	1053.79	248.31	
7200.00	1.90	169.40	6996.74	-389.85	-979.09	1048.39	0.07	1053.85	248.29	
7210.00	1.80	168.70	7006.73	-390.17	-979.03	1048.41	1.03	1053.91	248.27	
7220.00	1.80	168.70	7016.72	-390.48	-978.97	1048.44	0.00	1053.97	248.25	
7230.00	1.80	168.90	7026.72	-390.79	-978.91	1048.46	0.06	1054.03	248.24	
7240.00	1.80	168.70	7036.72	-391.10	-978.85	1048.49	0.06	1054.09	248.22	
7250.00	1.70	167.20	7046.71	-391.39	-978.78	1048.51	1.10	1054.14	248.20	
7260.00	1.70	165.10	7056.71	-391.68	-978.71	1048.52	0.62	1054.18	248.19	
7270.00	1.70	165.30	7066.70	-391.97	-978.64	1048.53	0.06	1054.21	248.17	
7280.00	1.70	164.30	7076.70	-392.26	-978.56	1048.53	0.30	1054.25	248.16	
7290.00	1.70	162.50	7086.69	-392.54	-978.47	1048.53	0.53	1054.28	248.14	
7300.00	1.60	161.50	7096.69	-392.81	-978.38	1048.51	1.04	1054.30	248.12	
7310.00	1.50	161.00	7106.68	-393.07	-978.30	1048.50	1.01	1054.31	248.11	
7320.00	1.60	161.40	7116.68	-393.33	-978.21	1048.49	1.01	1054.32	248.10	
7330.00	1.60	160.50	7126.68	-393.59	-978.12	1048.47	0.25	1054.34	248.08	
7340.00	1.60	160.80	7136.67	-393.85	-978.03	1048.46	0.08	1054.35	248.07	
7350.00	1.50	161.20	7146.67	-394.11	-977.94	1048.44	1.01	1054.36	248.05	
7360.00	1.50	160.40	7156.67	-394.36	-977.85	1048.43	0.21	1054.38	248.04	
7370.00	1.50	159.60	7166.66	-394.60	-977.76	1048.41	0.21	1054.39	248.02	
7380.00	1.40	159.60	7176.66	-394.84	-977.67	1048.39	1.00	1054.39	248.01	
7390.00	1.40	159.80	7186.66	-395.07	-977.59	1048.37	0.05	1054.40	248.00	
7400.00	1.40	158.40	7196.65	-395.30	-977.50	1048.35	0.34	1054.41	247.98	
7410.00	1.40	157.20	7206.65	-395.52	-977.41	1048.32	0.29	1054.40	247.97	
7420.00	1.40	154.90	7216.65	-395.75	-977.31	1048.28	0.56	1054.40	247.96	
7430.00	1.50	153.50	7226.64	-395.97	-977.20	1048.24	1.06	1054.38	247.94	
7440.00	1.50	154.70	7236.64	-396.21	-977.09	1048.20	0.31	1054.36	247.93	
7450.00	1.40	156.10	7246.64	-396.44	-976.98	1048.16	1.06	1054.35	247.91	
7460.00	1.40	155.30	7256.64	-396.66	-976.88	1048.12	0.20	1054.34	247.90	
7470.00	1.40	155.10	7266.63	-396.88	-976.78	1048.08	0.05	1054.33	247.89	
7480.00	1.40	155.60	7276.63	-397.11	-976.68	1048.05	0.12	1054.32	247.87	
7490.00	1.30	156.40	7286.63	-397.32	-976.58	1048.01	1.02	1054.31	247.86	
7500.00	1.30	154.30	7296.62	-397.53	-976.49	1047.98	0.48	1054.30	247.85	
7510.00	1.30	153.50	7306.62	-397.73	-976.39	1047.94	0.18	1054.29	247.84	
7520.00	1.30	151.50	7316.62	-397.93	-976.28	1047.89	0.45	1054.27	247.82	
7530.00	1.30	148.90	7326.62	-398.13	-976.17	1047.84	0.59	1054.24	247.81	
7540.00	1.30	148.40	7336.61	-398.32	-976.05	1047.78	0.11	1054.20	247.80	
7550.00	1.30	148.70	7346.61	-398.52	-975.93	1047.72	0.07	1054.16	247.79	
7560.00	1.30	149.60	7356.61	-398.71	-975.82	1047.66	0.20	1054.13	247.78	
7570.00	1.30	149.80	7366.61	-398.91	-975.70	1047.60	0.05	1054.10	247.76	
7580.00	1.30	147.80	7376.60	-399.10	-975.58	1047.54	0.45	1054.06	247.75	
7590.00	1.30	146.80	7386.60	-399.29	-975.46	1047.48	0.23	1054.02	247.74	
7600.00	1.40	148.20	7396.60	-399.49	-975.33	1047.41	1.05	1053.98	247.73	
7610.00	1.40	148.80	7406.59	-399.70	-975.21	1047.34	0.15	1053.94	247.71	
7620.00	1.40	149.60	7416.59	-399.91	-975.08	1047.28	0.20	1053.90	247.70	
7630.00	1.40	148.50	7426.59	-400.12	-974.96	1047.22	0.27	1053.87	247.69	
7640.00	1.40	148.60	7436.59	-400.33	-974.83	1047.15	0.02	1053.83	247.67	
7650.00	1.50	148.70	7446.58	-400.54	-974.70	1047.08	1.00	1053.79	247.66	
7660.00	1.50	149.80	7456.58	-400.77	-974.56	1047.02	0.29	1053.75	247.65	
7670.00	1.50	151.20	7466.58	-401.00	-974.43	1046.95	0.37	1053.72	247.63	
7680.00	1.50	150.10	7476.57	-401.22	-974.31	1046.89	0.29	1053.69	247.62	
7690.00	1.50	150.30	7486.57	-401.45	-974.18	1046.83	0.05	1053.65	247.60	
7700.00	1.60	150.80	7496.57	-401.69	-974.04	1046.77	1.01	1053.62	247.59	
7710.00	1.50	149.30	7506.56	-401.92	-973.91	1046.70	1.08	1053.58	247.57	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	10
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
7720.00	1.60	149.10	7516.56	-402.15	-973.77	1046.63	1.00	1053.54	247.56	
7730.00	1.60	150.30	7526.55	-402.39	-973.63	1046.56	0.34	1053.51	247.55	
7740.00	1.60	153.00	7536.55	-402.64	-973.50	1046.50	0.75	1053.48	247.53	
7750.00	1.60	153.10	7546.55	-402.89	-973.37	1046.45	0.03	1053.46	247.51	
7760.00	1.70	151.70	7556.54	-403.14	-973.24	1046.39	1.08	1053.43	247.50	
7770.00	1.70	153.40	7566.54	-403.41	-973.10	1046.33	0.50	1053.40	247.48	
7780.00	1.70	154.30	7576.53	-403.67	-972.97	1046.28	0.27	1053.39	247.47	
7790.00	1.70	154.30	7586.53	-403.94	-972.84	1046.23	0.00	1053.37	247.45	
7800.00	1.70	154.40	7596.52	-404.21	-972.71	1046.18	0.03	1053.35	247.43	
7810.00	1.70	154.80	7606.52	-404.48	-972.58	1046.13	0.12	1053.34	247.42	
7820.00	1.70	154.40	7616.52	-404.74	-972.46	1046.08	0.12	1053.32	247.40	
7830.00	1.80	154.70	7626.51	-405.02	-972.33	1046.03	1.00	1053.31	247.39	
7840.00	1.80	154.20	7636.51	-405.30	-972.19	1045.97	0.16	1053.29	247.37	
7850.00	1.90	154.10	7646.50	-405.59	-972.05	1045.92	1.00	1053.27	247.35	
7860.00	1.90	153.90	7656.50	-405.89	-971.90	1045.86	0.07	1053.26	247.33	
7870.00	1.90	153.90	7666.49	-406.19	-971.76	1045.80	0.00	1053.24	247.32	
7880.00	1.90	153.20	7676.48	-406.49	-971.61	1045.74	0.23	1053.21	247.30	
7890.00	1.90	154.40	7686.48	-406.78	-971.46	1045.68	0.40	1053.19	247.28	
7900.00	1.90	152.20	7696.47	-407.08	-971.32	1045.62	0.73	1053.17	247.26	
7910.00	1.80	152.40	7706.47	-407.37	-971.17	1045.55	1.00	1053.14	247.24	
7920.00	1.80	151.90	7716.46	-407.64	-971.02	1045.49	0.16	1053.11	247.23	
7930.00	1.90	151.80	7726.46	-407.93	-970.87	1045.42	1.00	1053.08	247.21	
7940.00	1.90	152.20	7736.45	-408.22	-970.71	1045.35	0.13	1053.05	247.19	
7950.00	1.90	151.10	7746.45	-408.51	-970.55	1045.28	0.36	1053.02	247.17	
7960.00	1.90	149.50	7756.44	-408.80	-970.39	1045.20	0.53	1052.98	247.16	
7970.00	1.80	149.50	7766.44	-409.08	-970.23	1045.12	1.00	1052.94	247.14	
7980.00	1.80	147.90	7776.43	-409.35	-970.06	1045.03	0.50	1052.89	247.12	
7990.00	1.90	145.50	7786.43	-409.62	-969.88	1044.94	1.26	1052.84	247.10	
8000.00	1.90	144.50	7796.42	-409.89	-969.69	1044.83	0.33	1052.77	247.09	
8010.00	1.90	147.60	7806.42	-410.16	-969.51	1044.72	1.03	1052.70	247.07	
8020.00	1.90	147.40	7816.41	-410.44	-969.33	1044.63	0.07	1052.65	247.05	
8030.00	1.80	145.70	7826.40	-410.71	-969.15	1044.53	1.14	1052.59	247.03	
8040.00	1.80	144.70	7836.40	-410.97	-968.97	1044.43	0.31	1052.52	247.02	
8050.00	1.80	148.50	7846.39	-411.23	-968.80	1044.33	1.19	1052.47	247.00	
8060.00	1.80	148.40	7856.39	-411.50	-968.64	1044.25	0.03	1052.42	246.98	
8070.00	1.70	147.30	7866.38	-411.76	-968.47	1044.16	1.05	1052.37	246.97	
8080.00	1.60	148.60	7876.38	-412.00	-968.32	1044.08	1.07	1052.33	246.95	
8090.00	1.60	149.20	7886.38	-412.24	-968.18	1044.01	0.17	1052.29	246.94	
8100.00	1.60	149.70	7896.37	-412.48	-968.04	1043.94	0.14	1052.25	246.92	
8110.00	1.60	150.20	7906.37	-412.72	-967.90	1043.87	0.14	1052.22	246.91	
8120.00	1.60	150.20	7916.37	-412.97	-967.76	1043.80	0.00	1052.19	246.89	
8130.00	1.60	150.00	7926.36	-413.21	-967.62	1043.74	0.06	1052.15	246.88	
8140.00	1.60	149.10	7936.36	-413.45	-967.48	1043.67	0.25	1052.12	246.86	
8150.00	1.70	147.00	7946.35	-413.69	-967.32	1043.59	1.17	1052.07	246.85	
8160.00	1.60	148.50	7956.35	-413.94	-967.17	1043.51	1.09	1052.03	246.83	
8170.00	1.60	149.70	7966.35	-414.18	-967.03	1043.43	0.34	1051.99	246.81	
8180.00	1.60	149.70	7976.34	-414.42	-966.89	1043.36	0.00	1051.96	246.80	
8190.00	1.60	148.60	7986.34	-414.66	-966.74	1043.29	0.31	1051.92	246.78	
8200.00	1.60	147.40	7996.33	-414.89	-966.59	1043.21	0.34	1051.88	246.77	
8210.00	1.50	150.30	8006.33	-415.13	-966.45	1043.14	1.27	1051.84	246.75	
8220.00	1.60	151.00	8016.33	-415.36	-966.32	1043.08	1.02	1051.81	246.74	
8230.00	1.60	151.10	8026.32	-415.61	-966.19	1043.02	0.03	1051.78	246.73	

Ryan Energy Technologies
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 4/17/2007	**Time:** 16:03:04	**Page:**	11
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: HCU 3-33F, True North		
Site:	HCU # 3-33F	**Vertical (TVD) Reference:**	Est RKB 5235.0		
Well:	HCU 3-33F	**Section (VS) Reference:**	Well (0.00N,0.00E,254.13Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
8240.00	1.70	152.10	8036.32	-415.86	-966.05	1042.95	1.04	1051.76	246.71	
8250.00	1.80	149.80	8046.31	-416.13	-965.90	1042.88	1.22	1051.73	246.69	
8260.00	1.80	149.70	8056.31	-416.40	-965.74	1042.81	0.03	1051.69	246.68	

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **7/1/2007**

FROM: (Old Operator):	**TO:** (New Operator):
N1095-Dominion Exploration & Production, Inc	N2615-XTO Energy Inc
14000 Quail Springs Parkway, Suite 600	810 Houston St
Oklahoma City, OK 73134	Fort Worth, TX 76102
Phone: 1 (405) 749-1300	Phone: 1 (817) 870-2800

CA No. **Unit:** **HILL CREEK**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 8/6/2007

4a. Is the new operator registered in the State of Utah: _____ Business Number: 5655506-0143

4b. If **NO**, the operator was contacted contacted on:

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: _____
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: _____
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 9/27/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 9/27/2007
3. Bond information entered in RBDMS on: 9/27/2007
4. Fee/State wells attached to bond in RBDMS on: 9/27/2007
5. Injection Projects to new operator in RBDMS on: 9/27/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000138
2. Indian well(s) covered by Bond Number: n/a

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762

3b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008

The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____
8. WELL NAME and NUMBER: SEE ATTACHED
2. NAME OF OPERATOR: XTO Energy Inc. N2615
9. API NUMBER: SEE ATTACHED
3. ADDRESS OF OPERATOR: 810 Houston Street, CITY Fort Worth, STATE TX, ZIP 76102 — PHONE NUMBER: (817) 870-2800
10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL
FOOTAGES AT SURFACE: SEE ATTACHED — COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: — STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
_____	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134
N1095

James D Abercrombie (405) 749-1300
James D. Abercrombie
Sr. Vice President, General Manager - Western Business Unit

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) Edwin S. Ryan, Jr. — TITLE Sr. Vice President - Land Administration
SIGNATURE Edwin S. Ryan, Jr. — DATE 7/31/2007

(This space for State use only)

APPROVED 9/27/07
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
AUG 06 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304731522	FEDERAL 1-29	SWNW	29	100S	200E	U-28203	12829	Federal	GW	P
4304731601	HILLCREEK FED 1-30	NWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304731675	HILL CREEK FED 1-27	SENW	27	100S	200E	U-29784	12829	Federal	GW	P
4304733671	HCU 1-28F	NENE	28	100S	200E	14-20-H62-4783	12829	Indian	GW	S
4304733672	HCU 1-29F	NENE	29	100S	200E	U-28203	12829	Federal	GW	P
4304733673	HCU 2-30F	NWNE	30	100S	200E	UTU-29784	12829	Federal	GW	P
4304733688	HCU 3-28F	NENW	28	100S	200E	U-28203	12829	Federal	GW	P
4304733689	HCU 3-29F	NENW	29	100S	200E	U-28203	12829	Federal	GW	P
4304733713	HCU 3-30F	NWNW	30	100S	200E	UTU-30693	12829	Federal	GW	P
4304733835	HCU 5-30F	SWNW	30	100S	200E	U-30693	12829	Federal	GW	P
4304733836	HCU 6-30F	SENW	30	100S	200E	U-30693	12829	Federal	GW	P
4304733964	HCU 8-30F	SENE	30	100S	200E	UTU-29784	12829	Federal	GW	P
4304733965	HCU 11-30F	NESW	30	100S	200E	U-30693	12829	Federal	GW	P
4304733966	HCU 13-30F	SWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304734045	HCU 5-28F	SWNW	28	100S	200E	U-28203	12829	Federal	GW	P
4304734046	HCU 7-29F	SWNE	29	100S	200E	U-28203	12829	Federal	GW	P
4304734223	HCU 9-29F	NESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304734298	HCU 3-31F	NWNW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734299	HCU 5-31F	SWNW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734300	HCU 7-31F	SENW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734316	HCU 2-27F	NWNE	27	100S	200E	UTU-79130	12829	Federal	GW	P
4304734351	HCU 8-27F	SENE	27	100S	200E	UTU-79130	12829	Federal	GW	P
4304734352	HCU 11-31F	NWSW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734353	HCU 13-31F	SWSW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734853	HCU 1-33F	NENE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304734854	HCU 3-34F	NENW	34	100S	200E	U-28203	12829	Federal	GW	P
4304734913	HCU 1-27F	NENE	27	100S	200E	U-79130	12829	Federal	GW	P
4304734914	HCU 3-27F	NENW	27	100S	200E	U-79130	12829	Federal	GW	P
4304734915	HCU 7-27F	SWNE	27	100S	200E	U-79130	12829	Federal	GW	S
4304734916	HCU 10-27F	NWSE	27	100S	200E	U-79130	12829	Federal	GW	P
4304734917	HCU 14-30F	SWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304734918	HCU 15-30F	SWSE	30	100S	200E	U-29784	12829	Federal	GW	P
4304734919	HCU 2-31F	NWNE	31	100S	200E	U-30693	12829	Federal	GW	P
4304734920	HCU 6-31F	SWNW	31	100S	200E	U-30693	12829	Federal	GW	P
4304734921	HCU 4-31F	NWNW	31	100S	200E	U-30693	12829	Federal	GW	P
4304735130	HCU 11-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	P
4304735131	HCU 2-29F	NWNE	29	100S	200E	U-28203	12829	Federal	GW	P
4304735132	HCU 9-30F	NESE	30	100S	200E	U-29784	12829	Federal	GW	P
4304735133	HCU 10-30F	NWSE	30	100S	200E	U-29784	12829	Federal	GW	P
4304735134	HCU 1-31F	NENE	31	100S	200E	U-36903	12829	Federal	GW	P
4304735135	HCU 12-31F	NWSW	31	100S	200E	U-30693	12829	Federal	GW	P
4304735137	HCU 2-33F	NENE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735139	HCU 5-34F	NENW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735154	HCU 13-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	P
4304735230	HCU 8-33F	SENE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304735307	HCU 6-29F	SENW	29	100S	200E	U-28203	12829	Federal	GW	P
4304735470	HCU 11-29F	NESW	29	100S	200E	U-28203	12829	Federal	GW	P
4304735471	HCU 10-29F	NWSE	29	100S	200E	U-28203	12829	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304735507	HCU 12-29FA	NESW	29	100S	200E	U-28203	12829	Federal	GW	DRL
4304735724	HCU 16-27F	SESE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735725	HCU 9-27F	NESE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735726	HCU 15-27F	SWSE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735727	HCU 9-34F	NESE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735728	HCU 7-34F	SWNE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735832	HCU 9-33F	NESE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735833	HCU 16-33F	SESE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735835	HCU 11-34F	NESW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735836	HCU 12-34F	NWSW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735837	HCU 13-34F	SWSW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735838	HCU 15-34F	SWSE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735875	HCU 14-34F	SWSE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735934	HCU 8-31F	SENE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735935	HCU 10-31F	NWSE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735936	HCU 9-31F	NWSE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735939	HCU 16-28F	SESE	28	100S	200E	U-28203	12829	Federal	GW	P
4304735940	HCU 6-34F	SENW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735996	HCU 16-34F	SESE	34	100S	200E	U-79130	12829	Federal	GW	P
4304736046	HCU 14-31F	SWSW	31	100S	200E	U-30693	12829	Federal	GW	P
4304736251	HCU 16-30F	NESE	30	100S	200E	U-29784	12829	Federal	GW	P
4304736319	HCU 10-28F	NWSE	28	100S	200E	U-28203	12829	Federal	GW	P
4304736320	HCU 13-28F	SWSW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736321	HCU 14-28F	SESW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736437	HCU 5-27F	SWNW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736438	HCU 4-27F	SWNW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736439	HCU 11-28F	NESW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736440	HCU 5-30F2	SWNW	30	100S	200E	U-30693	12829	Federal	GW	DRL
4304736601	HCU 5-33F	SWNW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736602	HCU 12-33F	NWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736603	HCU 6-28F	SENW	28	100S	200E	U-28203	12829	Federal	GW	S
4304736604	HCU 12-28F	NWSW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736685	HCU 13-33F	SWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736846	HCU 9-28F	NESE	28	100S	200E	14-20-H62-4781	12829	Indian	GW	P
4304736847	HCU 8-28F	SENE	28	100S	200E	14-20-H62-4783	12829	Indian	GW	P
4304736848	HCU 7-28F	SWNE	28	100S	200E	U-28203	12829	Federal	GW	P
4304736849	HCU 1-34F	NENE	34	100S	200E	U-79130	12829	Federal	GW	P
4304736852	HCU 14-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736853	HCU 16-29F	SESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304737060	HCU 4-33F	NWNW	33	100S	200E	U-28203	12829	Federal	GW	P
4304737202	HCU 6-33F	SENW	33	100S	200E	U-28203	12829	Federal	GW	P
4304737203	HCU 3-33F	NWNE	33	100S	200E	U-28203	12829	Federal	OW	P
4304737204	HCU 15-28F	NWNE	33	100S	200E	14-20-H62-4781	12829	Indian	OW	P
4304737284	HCU 7-30F	SENE	30	100S	200E	U-29784	99999	Federal	OW	DRL
4304737340	HCU 5-29F	SWNW	29	100S	200E	U-28203	12829	Federal	GW	P
4304737360	HCU 11-33F	NWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304737424	HCU 12-27F	NESW	27	100S	200E	U-29784	12829	Federal	OW	DRL
4304737425	HCU 14-29F	SWSW	29	100S	200E	U-28203	12829	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304737426	HCU 13-29F	SWSW	29	100S	200E	U-28203	12829	Federal	GW	P
4304737427	HCU 8-29F	NESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304737445	HCU 8-34F	SENE	34	100S	200E	U-79130	12829	Federal	OW	S
4304737446	HCU 2-34F	NWNE	34	100S	200E	U-79130	12829	Federal	OW	DRL
4304737447	HCU 7-33F	SENE	33	100S	200E	U-28203	12829	Federal	OW	DRL
4304737570	HCU 10-33F	NWSE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304737749	HCU 4-28F	NENW	28	100S	200E	U-28203	99999	Federal	GW	DRL
4304737750	HCU 14-33F	SWSE	33	100S	200E	U-028203	12829	Federal	GW	DRL
4304731560	HILL CREEK ST 1-32	SENW	32	100S	200E	ML-22313	12829	State	GW	P
4304734852	HCU 4-32F	NWNW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735136	HCU 5-32F	SWNW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735870	HCU 13-32F	NESE	31	100S	200E	ML-22313-2		State	GW	LA
4304735871	HCU 12-32F	NESE	31	100S	200E	ML-22313-2		State	GW	LA
4304735872	HCU 14-32F	SESW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735873	HCU 3-32F	NENW	32	100S	200E	ML-22313-2	12829	State	GW	DRL
4304735874	HCU 11-32F	SENW	32	100S	200E	ML-22313-2	12829	State	D	PA
4304736322	HCU 16-32F	SESE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736323	HCU 9-32F	NESE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736324	HCU 8-32F	SENE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736441	HCU 1-32F2	NENE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736684	HCU 7-32F	SENE	32	100S	200E	ML-22313-2	12829	State	GW	P

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

Dominion Exploration & Production, Inc.
Attn: James D. Abercrombie
14000 Quail Springs Parkway, #600
Oklahoma City, OK 73134-2600

August 10, 2007

Re: Hill Creek Unit
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the Hill Creek Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Hill Creek Unit Agreement.

Your statewide oil and gas Bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED
AUG 1 6 2007
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: U-28203

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: HILL CREEK

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: HCU 3-33F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047372030000

3. ADDRESS OF OPERATOR: PO Box 6501 , Englewood, CO, 80155
PHONE NUMBER: 303 397-3727 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0345 FNL 2490 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 33 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 3/11/2015
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

✓ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: CLEANOUT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. performed a cleanout & acid trtmt: 3/9/2015: MIRU. ND WH. NU & FT BOPs. Unland tbg hgr. PU & TIH w/3 jts tbg. Tgd BRS @ 8,144'. LD 3 jts of tbg. TOH w/257 jts 2-3/8", 4.7#, J-55, EUE 8rd, tbg, SN w/Top half BRS. BHBS was stuck in jnt above SN. Light scale on tbg from 7,967- EOT. PU & TIH w/4-3/4" bit, 5-1/2" csg scr, 2-3/8" SN & tbg. 3/10/2015: Con't TIH w/32 jts tbg. PU & TIH w/4 jts tbg. Tgd BRS @ 8,144'. LD 4 jts of tbg. TOH w/256 jts tbg. LD 5-1/2" csg scr w/4-3/4" bit. TIH w/2-3/8" MS clr, 2-3/8" SN, 256 jts tbg. EOT @ 8,022'. Ld tbg on hgr. ND BOP & NU WH. RU & RIH w/XTO 1.908" tbg broach to SN @ 8,022'. No ti spts. Found FL @ 7,200' FS. Dropd SV & PT tbg to 2,000 psig w/22 bbls TPW, 10", Tstd ok. Retrv SV. MIRU ac equip. PT surf lns to 1,000 psig, gd tst. Ppd dwn tbg w/750 gal 15% HCL ac w/adds, flsh w/25 bbls TPW @ 0 psig. 3/11/2015: Swab. RWTP @ 15:30.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 17, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	303-397-3736	Regulatory Analyst

SIGNATURE	DATE
N/A	3/17/2015

RECEIVED: Mar. 17, 2015